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<sentence> correct <sentence>
collation <sentence> key
```

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4) Click Search. See Search Examples

```
(cultural <or> culture) <and>
collation <and> key <and>
locale <and> (sort <or> order)
```

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United States Patent Application: 0020174100
... in **key** field 250a into culturally **correct collation** keys and sorting the culturally **correct collation** keys via a comparator 136 in accordance with the **cultural** ...
appft1.uspto.gov/netacgi/nph-Parser?Sect1=PTO2& Sect2=HITOFF&p=2&u=%2Fnetahtml%2FPTO%2Fsearch-... - 56k - Cached - Similar pages

InterBase **Collation** Kits
... is not used in a particular culture it can be ... transforms values that do not produce **correct** ordering using ... The mapping from a string to a **collation key** can be ...
www.ibphoenix.com/main.nfs?a=ibphoenix& s=1107835447:810849&page=ibp_**collation** - 68k - Cached - Similar pages

23rd International Unicode Conference
... implementers go about ensuring culturally–**correct collation** in product? ... when they are not, the **collation** issues that ... a Multi-lingual, Multi-**cultural** Web Site ...
www.microsoft.com/globaldev/reference/ presentations/23rd_Unicode_Conf.mspx - 27k - Cached - Similar pages

Web services globalization model
... end data system finds the **correct** data, and ... Thus, the customer's **cultural** preferences are fulfilled. ... independent – such as **collation** tables, transliteration ...
www.ibm.com/developerworks/ webservices/library/ws-global/ - 40k - Feb 13, 2005 - Cached - Similar pages

Application Framework for e-business:: Globalization
... to manage localized resources 2; **Collation** services to perform culturally **correct** sorting per ... to meet future language and **cultural** requirements rapidly ...
www.ibm.com/developerworks/library/j-u-global/ - 47k - Cached - Similar pages

Internationalization for C and C++
... should be done using Unilib with the appropriate **collation** chosen for the ... String Formatting – Check for **correct** line-wrapping, **cultural** string formatting ...
www.sybase.com/detail/1,6904,1009196,00.html - 28k - Cached - Similar pages

Java Forums - Difference between windows sorting and Java ...
... is that how strings should be ordered depends on the culture. ... and I don't know about German **collation** rules but ... that what you get from Java is **correct** and what ...
forum.java.sun.com/thread. jspa?threadID=532615&tstart=210 - 32k - Cached - Similar pages

Global Software
... An impossible task for a traditional **collation** algorithm. ... typical Japanese illustration – ensure **correct** outlet ... Finally, a challenging **cultural** variance is the ...
www.intuitive.com/globalsoftware/gs-chap4.html - 23k - Cached - Similar pages

Twenty-seventh Internationalization and Unicode Conference
... Language and **Cultural** Requirements Specialized needs such ... writing, culturally **correct** sorting, measurement ... eg normalization, **collation**, bidirectional), Search ...
www.global-conference.com/iuc27cfp.html - 22k - Cached - Similar pages

Meeting Minutes
... 31st October 2002 were agreed as a **correct** record. ... M25 (£1,000) to help with the **collation** of information ... 7. Inaugural Meeting of the **Cultural** Diversity Forum. ...
www.m25lib.ac.uk/m25sec/business/ collaboration/collabminsdec02.html - 10k - Cached - Similar pages

Life Sculpture: Betty Collings Organic Sculpture
... and the mirror matching was the **key** to predicting ... on a large, remote working farm in a culture in which ... is available for instant and **correct collation** into new ...
www.bettycollings.com/SelectedStatements/Overview.html - 21k - Cached - Similar pages

Translation Services and Translation Software - SDL - Localization ...
... Software products must reference the **correct** code page for ... **collation** sheet A report providing verification of the ... material) to a specific language or culture. ...
www.sdl.com/.../white-papers-articles/ white-papers-list/white-papers-localization-glossary.htm - 21k - Cached - Similar pages

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File Format: PDF/Adobe Acrobat - View as HTML
... accordingly to utilise different **cultural** settings shared ... ensure all computers perform the **correct** translation when ... A SQL Server **collation** is associated with ...
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... skills appropriate to the social, **cultural** and work ... formulation, research, data collection, **collation**, analysis, synthesis ... to be aware of and **correct** and adapt ...
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... being integrated and the required **cultural** changes. ... and application- mapping products, such as **Collation** Configia ... our ability to prevent or **correct** errors with ...
www.collation.com/news/WP_Nielsen.pdf - Similar pages

[PDF] ISO/IEC JTC1 SC22/WG20 N709
File Format: PDF/Adobe Acrobat - View as HTML
... are deciding, what their **cultural** conventions are ... a high quality standard is **correct** and understandable ... **Collation key** or ordering **key**: accepted proposal, changes ...
www.open-std.org/jtc1/sc22/wg20/docs/n710-ml.pdf - Similar pages

[PDF] SC22/WG20 N711
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... additional handling for the **correct** decompositions (in ... with "U" in the tailored **collation** weighting table ... Many practical **cultural** adaptations are impossible or ...
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A Multilingual Demo for Oracle Application Server
... to the user's language and **cultural** conventions ... the keys array is filled with **collation** keys, the ... The getLocalizedURL() method returns the **correct** path of an ...
www.tju.cn/docs/oas90400/core.904/b10380/demo.htm - 71k - Cached - Similar pages

A Multilingual Demonstration for Oracle Application Server
... according to the user's language and **cultural** conventions ... keys array is filled with **collation** keys, the ... The getLocalizedURL() method returns the **correct** path of ...
www.tju.cn/docs/oas101200/core.1012/b14004/demo.htm - 69k - Cached - Similar pages

[PDF] Strategies to Promote Continuous Improvement, Including Best Value ...
File Format: PDF/Adobe Acrobat - View as HTML
... The performance culture must be ... A narrative detailing action to **correct** performance where ... **Collation** and calculation techniques and processes • Time to ...
www.swindoneducation.org.uk/swindon/applications/ filelib/Performance%20Management%20Framework%20-7.pdf - Similar pages

[PDF] Achievements
File Format: PDF/Adobe Acrobat - View as HTML
... Hence the **correct collation** sequence have been finalized. ... him in standardizing on the **collation** sequence for ... 2. **Cultural** History and Geography of Gujarat on CD ...
tdil.mit.gov.in/Gujarati-MSUniversityBarodaJuly03.pdf - Similar pages

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... **Collation** of data on Persian gazelle habitat requirements; • Identification of ... the lead applicants will cascade the **correct** HSE culture and practices ...
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File Format: PDF/Adobe Acrobat - View as HTML
... workplace assignments and the **collation** of an ... and create a more positive workplace culture. DAY FOUR ... & Termination • Overview of **Correct** Disciplinary Process ...
chirs.infoxchange.net.au/news/ items/2005/01/00912-upload-00001.pdf - Similar pages

Sustainability Reporting
... Change energy change culture. ... This will ensure the **correct** investment approach, based on the **collation** of historical, current and perspective
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... 4–13 Using **collation** tables 8–1 Definitions of **key** terms
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... 4–14 4.4.2 Using **Collation** Tables 8–1 8.1 Definitions For **Key** Terms
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How to Test Your Internationalized Eclipse Plug-In
... are specific to a given language, culture, or country ... Verify that sorted lists are **correct**, even if they ... The precise **collation** order may not be obvious to a non ...
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... directing the enquirer to the **correct** source for ... the business, community, academic, **cultural**, sporting and ... and procedures for the **collation**, organisation and ...
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National Training Information Service
... Information collection and **collation** tools and methods may ... references, citations and other **correct** acknowledgement for ... a range of social, **cultural** and ethnic ...
www.ntis.gov.au/cgi-bin/waxhtml/~ntis2/ unit.wxh?page=80&inputRef=32945&sCalledFrom=std - 60k - Cached - Similar pages

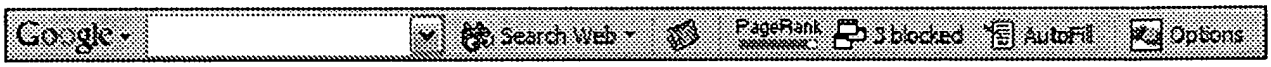
[PDF] KEY TARGETS
File Format: PDF/Adobe Acrobat - View as HTML
... and working differently a **cultural** challenge. ... **Collation** and analysis of trust and PCT level ... Redistribution to **correct** differential financial impact ??) Onward ...
www.surreysussexsha.nhs.uk/boardpapers/ nov04/87_04_2_workforce_appendix4.pdf - Similar pages

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<or> order)
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1 **Georgian Peacekeeping Mission [medical technology applications]**
Tabach, G.;
Medical Technology Symposium, 1998. Proceedings. Pacific , 17-20 Aug. 1998
Pages:410 - 415

[Abstract] [PDF Full-Text (1524 KB)] **IEEE CNF**

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Relevance scale

1 On randomization in sequential and distributed algorithms

Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar

March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

Full text available: pdf(8.01 MB) Additional Information: full citation, abstract, references, citings, index terms

Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed— that span a wide range of applications, including:primality testing (a classical problem in number theory), interactive probabilistic proof s ...

Keywords: Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers problem, distributed algorithms, graph isomorphism, hashing, interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect hashing, primality testing, probabilistic techniques, randomized or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashing

2 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB) html(2.76 KB) Additional Information: full citation, references, citings, index terms

3 Panel: Dimensions of mobility in the I.T. profession examining "Turnover Culture" and "Staying Behavior" (panel session)

Michael J. Gallivan, Ephraim McLean, Jo Ellen Moore, Malu Roldan

April 2001 **Proceedings of the 2001 ACM SIGCPR conference on Computer personnel research**

Full text available: pdf(94.09 KB) Additional Information: full citation, abstract, references, index terms

This panel is designed to examine various dimensions of mobility among IT professionals. Turnover rates for IT professionals have risen from the traditional 6-10% to approximately 20% industry-wide (Maddern, 2000) and 25-35% in Fortune 500 companies (Agarwal & Ferratt, 1999). Fortune magazine recently noted that quitting in the technology profession has become literally an annual event, as the average job tenure in IT has shrunk to about 13 months (Daniels & Vinzant, 2000). Quite simp ...

4 Towards the digital music library: tune retrieval from acoustic input
Rodger J. McNab, Lloyd A. Smith, Ian H. Witten, Clare L. Henderson, Sally Jo Cunningham
April 1996 **Proceedings of the first ACM international conference on Digital libraries**
Full text available: pdf(998.45 KB) Additional Information: full citation, references, citings, index terms

Keywords: acoustic interfaces, melody recall, musical retrieval, relevance ranking

5 The FINITE STRING Newsletter: Abstracts of current literature
Computational Linguistics Staff
January 1987 **Computational Linguistics**, Volume 13 Issue 1-2
Full text available: pdf(6.15 MB) Additional Information: full citation
Publisher Site

6 Managing resources and services: Towards a cultural heritage digital library
Gregory Crane, Clifford Wulfman
May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**
Full text available: pdf(800.99 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper surveys research areas relevant to cultural heritage digital libraries. The emerging National Science Digital Library promises to establish the foundation on which those of us beyond the scientific and engineering community will likely build. This paper thus articulates the particular issues that we have encountered in developing cultural heritage collections. We provide a broad overview of audiences, collections, and services.

7 Interchange and interoperability: Tools for a new generation of scholarly edition unified by a tei-based interchange format
Rajiv Kochumman, Carlos Monroy, Jie Deng, Richard Furuta, Eduardo Urbina
June 2004
Full text available: pdf(121.31 KB) Additional Information: full citation, abstract, references, index terms

We report on experience gained from our ongoing multi-year project to produce an Electronic Variorum Edition of Cervantes' *Don Quixote de la Mancha*. Initially designed around a custom database representation, the project's evolution has lead to the adoption of a TEI-based format for information interchange among the project's major components. We discuss the mechanics of this approach and its benefits.

Keywords: TEI, cervantes project, text encoding

8 Localization of web content
Daniel Brandon
December 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 2
Full text available: pdf(266.53 KB) Additional Information: full citation, references, index terms

9 Terrain database interoperability issues in training with distributed interactive simulation
Guy A. Schiavone, S. Sureshchandran, Kenneth C. Hardis
July 1997 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 7 Issue 3

Full text available: pdf(443.34 KB) Additional Information: full citation, abstract, references, citings, index terms, review

In Distributed Interactive Simulation (DIS), each participating node is responsible for maintaining its own model of the synthetic environment. Problems may arise if significant inconsistencies are allowed to exist between these separate world views, resulting in unrealistic simulation results or negative training, and a corresponding degradation of interoperability in a DIS simulation exercise. In the DIS community, this is known as the simulator terrain database (TDB) correlation problem. ...

Keywords: distributed interactive simulation, terrain databases

10 Digital library communities and change: Trust and epistemic communities in biodiversity data sharing

Nancy A. Van House

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Full text available: pdf(221.28 KB) Additional Information: full citation, abstract, references, citings, index terms

Trust is a key element of knowledge work: what we know depends largely on others. This paper discusses the concepts of communities of practice and epistemic cultures, and their implication for design of digital libraries that support data sharing, with particular reference to practices of trust and credibility. It uses an empirical study of a biodiversity digital library of data from a variety of sources to illustrate implications digital library design and operation. It concludes that diversity ...

Keywords: biodiversity, communities of practice, credibility, epistemic cultures, trust, users

11 NPSNET: constructing a 3D virtual world

Michael J. Zyda, David R. Pratt, James G. Monahan, Kalin P. Wilson

June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**

Full text available: pdf(1.33 MB) Additional Information: full citation, references, citings, index terms

12 Alphabet Soup

Stephen Turnbull

March 1999 **Linux Journal**

Full text available: html(40.76 KB) Additional Information: full citation, abstract, references, index terms

The Internationalization of Linux, Part 1: Mr. Turnbull takes a look at the problems faced when different character sets and the need for standardization

13 On the notion of inheritance

Antero Taivalsaari

September 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 3

Full text available: pdf(609.81 KB) Additional Information: full citation, abstract, references, citings, index terms

One of the most intriguing—and at the same time most problematic—notions in object-oriented programing is inheritance. Inheritance is commonly regarded as the feature that distinguishes object-oriented programming from other modern programming paradigms, but researchers rarely agree on its meaning and usage. Yet inheritance of often hailed as a solution to many problems hampering software development, and many of the alleged benefits of object-oriented programm ...

Keywords: delegation, incremental modification, inheritance, language constructs, object-

oriented programming, programming languages

14 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems**, Volume 28 Issue 1

Full text available: pdf(7.24 MB) Additional Information: full citation, citings

15 Enabling crypto: how radical innovations occur

Arnd Weber

April 2002 **Communications of the ACM**, Volume 45 Issue 4

Full text available: pdf(197.13 KB) html(30.18 KB) Additional Information: full citation, abstract, references, index terms

Examining the key factors and influences in the development of cryptography.

16 Cooperative visual manipulation of music notation

P. Bellini, P. Nesi, M. B. Spinu

September 2002 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 9 Issue 3

Full text available: pdf(3.42 MB) Additional Information: full citation, abstract, references, index terms

As computer technologies and their potential emerging applications spread out, new needs have been detected for computer-based applications of music; cooperative music notation editing both in orchestras and music schools is one of them. This article is the only public document describing the details of cooperative work on music notation of MOODS (Music Object Oriented Distributed System). MOODS is a synchronous real-time cooperative editor for music scores. Its architecture includes mechanisms ...

Keywords: Collaboration of music notation editing, additional command list, collaborative systems, computer-supported cooperative work, consistency control, cooperative music, distributed music, electronic lectern, neutral version, selective undo, user interface management systems

17 The digital Michelangelo project: 3D scanning of large statues

Marc Levoy, Kari Pulli, Brian Curless, Szymon Rusinkiewicz, David Koller, Lucas Pereira, Matt Ginzton, Sean Anderson, James Davis, Jeremy Ginsberg, Jonathan Shade, Duane Fulk

July 2000 **Proceedings of the 27th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(10.83 MB) Additional Information: full citation, abstract, references, citings, index terms

We describe a hardware and software system for digitizing the shape and color of large fragile objects under non-laboratory conditions. Our system employs laser triangulation rangefinders, laser time-of-flight rangefinders, digital still cameras, and a suite of software for acquiring, aligning, merging, and viewing scanned data. As a demonstration of this system, we digitized 10 statues by Michelangelo, including the well-known figure of David, two building interiors, and all 1,163 extant f ...

Keywords: 3D scanning, cultural heritage, graphics systems, mesh generation, range images, rangefinding, reflectance and shading models, sensor fusion

18 Steps towards an ecology of infrastructure: complex problems in design and access for large-scale collaborative systems

Susan Leigh Star, Karen Ruhleder

October 1994 **Proceedings of the 1994 ACM conference on Computer supported cooperative work**

Full text available: pdf(1.49 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper analyzes the initial phases of a large-scale custom software effort, the Worm Community System (WCS), a collaborative system designed for a geographically dispersed community of geneticists. Despite high user satisfaction with the system and interface, and extensive user feedback and analysis, many users experienced difficulties in signing on and use, ranging from simple lack of resources to complex organizational and intellectual trade-offs. Using Bateson's levels of learning, w ...

Keywords: collaboratory, ethnography, infrastructure, organizational computing, participatory design

19 Software safety: why, what, and how

Nancy G. Leveson

June 1986 **ACM Computing Surveys (CSUR)**, Volume 18 Issue 2

Full text available: pdf(4.18 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Software safety issues become important when computers are used to control real-time, safety-critical processes. This survey attempts to explain why there is a problem, what the problem is, and what is known about how to solve it. Since this is a relatively new software research area, emphasis is placed on delineating the outstanding issues and research topics.

20 Immersive VR theatres and rendering for edutainment: Rendering of large and complex urban environments for real time heritage reconstructions

J. Willmott, L. I. Wright, D. B. Arnold, A. M. Day

November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**

Full text available: pdf(3.68 MB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we describe a rendering package, which brings together a number of rendering techniques and optimisations to render large and complex urban environments at interactive frame rates. The package has been built on top of a proprietary Scene Graph structure developed for the CHARISMATIC project. The paper presents an integrated approach combining Real-time Optionally Adapting Meshes, View Frustum Culling, Occluder Shadows, Level of Detail for Houses and Motion Captured Avatars in a sin ...

Keywords: ROAM, avatars, culling, level of detail, occluder shadows, openGL, urban environments, view frustum culling

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1 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB) html(2.78 KB) Additional Information: full citation, references, citings, index terms

2 On randomization in sequential and distributed algorithms

Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar

March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

Full text available: pdf(8.01 MB) Additional Information: full citation, abstract, references, citings, index terms

Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed— that span a wide range of applications, including:primality testing (a classical problem in number theory), interactive probabilistic proof s ...

Keywords: Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers problem, distributed algorithms, graph isomorphism, hashing, interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect hashing, primality testing, probabilistic techniques, randomized or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashing

3 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems**, Volume 28 Issue 1

Full text available: pdf(7.24 MB) Additional Information: full citation, citings

4 Alphabet Soup

Stephen Turnbull

March 1999 **Linux Journal**

Full text available: html(40.76 KB) Additional Information: full citation, abstract, references, index terms

The Internationalization of Linux, Part 1: Mr. Turnbull takes a look at the problems faced when different character sets and the need for standardization

5 Localization of web content
Daniel Brandon
December 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 2

Full text available: pdf(266.53 KB) Additional Information: full citation, references, index terms

6 Harnessing technology for effective inter- and intra-institutional collaboration (report of the ITiCSE '97 working group on supporting inter- and intra institutional collaboration)
Douglas Siviter, Marian Petre, Bruce Klein
June 1997 **The supplemental proceedings of the conference on Integrating technology into computer science education: working group reports and supplemental proceedings**

Full text available: pdf(145.01 KB) Additional Information: full citation, references, citings, index terms

7 Harnessing technology for effective inter- and intra-institutional collaboration: report of the ITiCSE '97 working group on supporting inter- and intra-institutional collaboration
Douglas Siviter, Marian Petre, Bruce Klein
October 1997 **ACM SIGCUE Outlook**, Volume 25 Issue 4

Full text available: pdf(2.66 MB) Additional Information: full citation, abstract, references, index terms

The computer science discipline is well poised to provide leading examples of harnessing communications and computer technologies in order to encourage collaborative practices both within and between institutions. Students, academics, and institutions all potentially have access to their counterparts world-wide. This provides endless opportunities for sharing knowledge, accessing scarce expertise, making effective re-use of limited resources, collaborating to attract funding and influence polici ...

8 Addressing the vulnerability of children through information systems: a South African case study
Elaine Byrne
October 2004 **Proceedings of the 2004 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries**

Full text available: pdf(249.66 KB) Additional Information: full citation, abstract, references, index terms

The adoption of ICTs in developing countries often comes with the argument of how the technology will assist in bridging the 'digital divide'. This paper argues that often ICTs fail to realise their potential, in many instances, due to the overly technical focus of the information systems design process. A case study from South Africa illustrates how the design of an information system, which takes the social situation into account, can address exclusion. Using an interpretive participatory a ...

Keywords: community-based information system design, design, vulnerability

9 Steps towards an ecology of infrastructure: complex problems in design and access for large-scale collaborative systems
Susan Leigh Star, Karen Ruhleder
October 1994 **Proceedings of the 1994 ACM conference on Computer supported cooperative work**

Full text available: pdf(1.49 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper analyzes the initial phases of a large-scale custom software effort, the Worm Community System (WCS), a collaborative system designed for a geographically dispersed community of geneticists. Despite high user satisfaction with the system and interface, and extensive user feedback and analysis, many users experienced difficulties in signing on and use, ranging from simple lack of resources to complex organizational and intellectual trade-offs. Using Bateson's levels of learning, w ...

Keywords: collaboratory, ethnography, infrastructure, organizational computing, participatory design

10 Sequential patterns in information systems development: an application of a social process model

Daniel Robey, Michael Newman

January 1996 **ACM Transactions on Information Systems (TOIS)**, Volume 14 Issue 1

Full text available: pdf(2.38 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We trace the process of developing and implementing a materials management system in one company over a 15-year period. Using a process research model developed by Newman and Robey, we identify 44 events in the process and define them as either encounters or episodes. Encounters are concentrated events, such as meetings and announcements, that separate episodes, which are events of longer duration. By examining the sequence of events over the 15 years of the case, we identify a pattern of r ...

Keywords: social processes, system implementation

11 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Full text available: pdf(6.15 MB) Publisher Site Additional Information: full citation

12 NPSNET: constructing a 3D virtual world

Michael J. Zyda, David R. Pratt, James G. Monahan, Kalin P. Wilson

June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**

Full text available: pdf(1.33 MB) Additional Information: full citation, references, citings, index terms

13 2a---Rhetoric and Hypertext: Hypertext structure as the event of connection

Adrian Miles

September 2001 **Proceedings of the twelfth ACM conference on Hypertext and Hypermedia**

Full text available: pdf(90.11 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper proposes that within the practice of writing small scale, local hypertext, critical questions of relevance to all hypertext researchers are foregrounded, in particular problems of excess, context, and teleological interpretation.

Keywords: cinema, context, excess, hypertext structure, links, pragmatics, rhetoric

14 Lingua Francas for design: sacred places and pattern languages

Thomas Erickson

August 2000 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**

Full text available: pdf(406.51 KB) Additional Information: full citation, abstract, references, citings, index terms

A central challenge in interaction design has to do with its diversity. Designers, engineers, managers, marketers, researchers and users all have important contributions to make to the design process. But at the same time they lack shared concepts, experiences and perspectives. How is the process of design-which requires communication, negotiation and compromise-to effectively proceed in the absence of a common ground? I argue that an important role for the interaction designer is to help s ...

Keywords: architecture, design methods, interaction design, interdisciplinary design, pattern language, patterns, urban design

15 Energy-efficient randomized routing in radio networks

Koji Nakano, Stephan Olariu

August 2000 **Proceedings of the 4th international workshop on Discrete algorithms and methods for mobile computing and communications**

Full text available: pdf(855.44 KB) Additional Information: full citation, abstract, references, index terms

The main contribution of this work is to present an energy-efficient routing protocol for single-channel, single-hop radio networks (RN, for short). Such networks are usually deployed in support of special events including search-and-rescue, disaster relief, law enforcement, and collaborative computing, among many others. An RN is typically populated by hand-held, commodity devices, running on batteries. Since recharging batteries may not be possible while on mission, we are interested in d ...

16 Transnational information systems—a challenge for technical and general managers

Angèle L. M. Cavaye

April 1997 **Proceedings of the 1997 ACM SIGCPR conference on Computer personnel research**

Full text available: pdf(905.66 KB) Additional Information: full citation, references, index terms

Keywords: system development, system management, transnational information systems

17 Cooperative visual manipulation of music notation

P. Bellini, P. Nesi, M. B. Spinu

September 2002 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 9 Issue 3

Full text available: pdf(3.42 MB) Additional Information: full citation, abstract, references, index terms

As computer technologies and their potential emerging applications spread out, new needs have been detected for computer-based applications of music; cooperative music notation editing both in orchestras and music schools is one of them. This article is the only public document describing the details of cooperative work on music notation of MOODS (Music Object Oriented Distributed System). MOODS is a synchronous real-time cooperative editor for music scores. Its architecture includes mechanisms ...

Keywords: Collaboration of music notation editing, additional command list, collaborative systems, computer-supported cooperative work, consistency control, cooperative music,

distributed music, electronic lectern, neutral version, selective undo, user interface management systems

18 Interaction, creativity and communication: Communication functions and the adaptation of design representations in interdisciplinary teams

David G. Hendry

August 2004 **Proceedings of the 2004 conference on Designing interactive systems: processes, practices, methods, and techniques**

Full text available: pdf(2.24 MB) Additional Information: full citation, abstract, references, index terms

Design representations in user-centered design serve intentions for directing design process and communication functions for enlisting interdisciplinary participation. To disentangle these two factors, a vocabulary for identifying communication functions in design is proposed. This vocabulary, drawn from a selective review of empirical studies of design activity in architecture and engineering, is then applied to three design cases from user-centered design. This analysis shows how representatio ...

Keywords: communication, design informatics, design information systems, design process, design representations, interdisciplinary design

19 Programmable applications: interpreter meets interface

Michael Eisenberg

April 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 2

Full text available: pdf(4.42 MB) Additional Information: full citation, abstract, citings, index terms

Current fashion in "user-friendly" software design tends to place an over-reliance on direct manipulation interfaces. To be truly expressive (and thus truly user-friendly), applications need both learnable interfaces and domain-enriched languages that are accessible to the user. This paper discusses some of the design issues that arise in the creation of such *programmable applications*. As an example, we present "SchemePaint," a graphics application that combines a MacPaint-like interface ...

20 Workshop on compositional software architectures: workshop report

May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Full text available: pdf(2.91 MB) Additional Information: full citation, index terms

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UNIX man pages : **locale** (5)
... that depends on language and cultural conven- tions. ... are removed, unless the position **collation** directive is ... corresponding level with the order_start **key**- word ...
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... but others are specific to a given language, **culture**, or country ... DBCS fonts and using multi-stroke **key** entry ... The precise **collation** order may not be obvious to a ...
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... to verify that they are within government standards/cultural acceptance and ... When comparing using **Collation**, each character is converted to a **key** containing 4 ...
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... support by describing geographic, political, or cultural regions ... arrays: the first element is the **key**, and the ... Note how the default **collation** rules treat blanks ...

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... of modular standards such that the **culture** information repertoire ... units, for **sort**-order (**collation**), plus translated ... Group acts as a **key** facilitator between ...
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... It was also noted that the forthcoming CEN cultural registry has provisions for registering ... Dynamic based control of **collation** based upon **sort key**. ...
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> ISO/IEC JTC1/SC22/WG15 RIN Issues List
> ... based control of **collation** based upon **sort key**. ... the construction of other, similar **collation** sequences for ... for European Registration of Cultural Elements, CEN ...
> www.ex.ac.uk/~DCannon/iso-wg15/rin/document/sd-3r.htm - 101k - Cached - Similar pages
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... that depends on language and cultural conventions. ... Only characters specified for the **key**- words lower ... The LC_COLLATE category provides a **collation** sequence defi ...
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... ID, $ID)) { unset ($item_list); return **$key**; } } } / Else fail ... with no significance in the string **collation** algorithm: the ... Mon 07 Feb 2005 05:11:24 AM ART ART.
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             OR LINGUAL? OR LINGUIST?
S3    1176998   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
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S5     461490   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
             OR ODDIT? OR PECULIARIT?
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             T? OR VARIATION? OR CHARACTERISTIC?
S7     141364   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
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S9     169818   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
             OR?
S10     40279   SORT OR SORTS OR SORTED OR SORTING
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S12    324206   ORGANIZ? OR ORGANIS? OR IDENTIFY? OR IDENTIFI? OR CODING
S13   1649655   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
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S14     26653   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
             S()REFEREN?
S15   1217479   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
             OR INVENTORY? OR INVENTORIE?
S16    693210   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
             CHRONICL? OR ARCHIV?
S17    706667   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S18    625936   IC=G06F?
S19      4419   S1:S2(5N)S3:S6
S20       762   S19 AND S17:S18
S21       154   S20 AND S7:S9
S22       417   S20 AND S10:S14
S23       586   S20 AND S15:S16
S24       121   S21 AND S22 AND S23
S25       671   S21:S23
S26       417   S25 AND S18
S27       671   S25:S26
S28        11   S27 AND S7:S9(5N)S10:S14 AND S10:S14(5N)S15:S16 AND S7:S9(-
             5N)S15:S16
S29    265022   S7:S9(5N)S10:S14 OR S10:S14(5N)S15:S16 OR S7:S9(5N)S15:S16
S30       109   S27 AND S29 AND S1
S31       105   S30 AND S1(5N)S3:S6
S32       151   S24 OR S28 OR S30:S31
S33       151   IDPAT (sorted in duplicate/non-duplicate order)
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33/3,K/85
DIALOG(R)File 350:Derwent WPIX
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016098056 **Image available**
WPI Acc No: 2004-255932/200424
Related WPI Acc No: 2004-633947
XRPX Acc No: N04-203384
Automatic retrieval of services by attribute in a computer **system, involves loading defined first** locale **by retrieving first set of localization services using first set of attributes**
Patent Assignee: APPLE COMPUTER INC (APPY)
Inventor: DANIELS A M; HARVEY J; SAUNDERS W J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6701428	B1	20040302	US 95435576	A	19950505	200424 B
			US 97848543	A	19970428	

Priority Applications (No Type Date): US 95435576 A 19950505; US 97848543 A 19970428
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6701428	B1		26	G06F-009/00	Cont of application US 95435576

Automatic retrieval of services by attribute in a computer **system, involves loading defined first** locale **by retrieving first set of localization services using first set of attributes**

Abstract (Basic):
... The method involves loading a defined first **locale** by retrieving a first set of localization services using a first set of attributes without specifying the first **locale** directly in the process of retrieving the first set of localization services. The first **locale** specifies the first set of attributes of the first set of localization services.
... A set of localization services, required for several **locales** on a **computer** system, is established. Each localization service is stored with an attribute for **identifying** **locale** -related **characteristics** of each localization service. The attribute includes the name **identifying** the type of localization service, and the value uniquely **identifying** each localization service. INDEPENDENT CLAIMS are included for the following...

...2) **Computer** system set-up method; and...

...3) **Computer** -readable medium for use in a digital processing system...
...For locating services and for providing international functionality in a **computer** system by specification of attributes...

...can be used to describe and retrieve the service, e.g. text service, formatting service, **sorting** service, in a **computer** system...

...The figure shows the **organization** of a **locale** look-up **list** , text services, **locales** and localizations...
...Title Terms: **COMPUTER** ;
International Patent Class (Main): **G06F-009/00**

(2)

THIS APPLICATION

33/3,K/92
DIALOG(R)File 350:Derwent WPIX
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015703001 **Image available**
WPI Acc No: 2003-765194/200372
XRPX Acc No: N03-612878
Record **set** sorting **method in distributed computing environment, involves creating** culturally correct **collation** key **for** data keys **associated with** records , **by reading its** collation information **from its locale** token
Patent Assignee: IBM CANADA LTD (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: DARAY E H; NETTLES W B; ROSE D A; SOOR B S
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020174100	A1	20021121	US 2001998269	A	20011130	200372	B
CA 2348239	A1	20021118	CA 2348239	A	20010518	200372	

Priority Applications (No Type Date): CA 2348239 A 20010518
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020174100	A1		11	G06F-007/00	
CA 2348239	A1	E		G06F-017/60	

Record **set** sorting **method in distributed computing environment, involves creating** culturally correct **collation** key **for** data keys **associated with** records , **by reading its** collation information **from its locale** token

Abstract (Basic):
... A **locale token** associated with a set of **records** and used for **identifying** a **locale** object having **collation information** of a particular **culture** pertaining to the **record** set, is read. A **culturally correct collation key** is created for the data **keys** associated with the **records** , by reading the **collation information** . The **record** set is **sorted** and **ordered** using the **collation key** .

... 1) **computer** program product for **record** set **sorting** ; and...

...2) **computer** system...

...For **sorting** a set of **records** each having a **data key** , in a distributed computing environment connected through Internet, local area **network** (LAN...

...Enables users to **sort** the **records** according to the user's **cultural** expectations, by using **culturally corrected collation key** for **sorting** purpose...

...The figure shows the block diagram of the **record** set **sorting** system ...

... **computer** system (100...

... **computer** (102...

...communication **network** (119
Technology Focus:
... The **locale specification** is defined in accordance with

ISO/IEC 9945-1:1900 (IEEE standard 1003.2-1990...
Title Terms: **RECORD** ;
International Patent Class (Main): **G06F-007/00** ...

... **G06F-017/60**

(3)

33/3,K/100
DIALOG(R)File 350:Derwent WPIX
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015167878 **Image available**
WPI Acc No: 2003-228406/200322
XRPX Acc No: N03-181656
Globalization system for processing business objects in multi- locale **environment, has** locale sensitive **mechanism associated with** information **objects of server domain, for accessing certain** locale specific **text and images**
Patent Assignee: ASERA INC (ASER-N); LEVY M J (LEVY-I); SAKATA M (SAKA-I); VIJ R (VIJR-I)
Inventor: LEVY M J; RAJIV V; SAKATA M; VIJ R
Number of Countries: 102 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020184308	A1	20021205	US 99164021	P	19990823	200322	B
			US 200127570	A	20011025		
WO 200336544	A2	20030501	WO 2002US34082	A	20021018	200330	
EP 1449073	A2	20040825	EP 2002776281	A	20021018	200456	
			WO 2002US34082	A	20021018		
AU 2002342115	A1	20030506	AU 2002342115	A	20021018	200460	

PROVISIONAL FILE DATE 23 AUG 1999

Priority Applications (No Type Date): US 99164021 P 19990823; US 200127570 A 20011025
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020184308	A1		29	G06F-017/00	Provisional application US 99164021

WO 200336544 A2 E G06F-017/60
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
EP 1449073 A2 E G06F-009/44 Based on patent WO 200336544
Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
AU 2002342115 A1 G06F-017/60 Based on patent WO 200336544
Globalization system for processing business objects in multi- locale **environment, has** locale sensitive **mechanism associated with** information **objects of server domain, for accessing certain** locale specific **text and images**
Abstract (Basic):
... The system has **locale indicator** associated with each **information** object of a server domain. The **information** objects has a associated **locale sensitive** mechanism, for accessing certain **locale specific** text and images such as date, time, time zone formatting, currency formatting and numeric formatting which are used to uniformly process the **information** object according to certain requirements of the **locale** .
... 1) multi- **locale** processing configuration for processing multilingual **information** ; and...

...2) **data** objects normalizing and denormalizing multi- **locale** processing configuration...

...For processing business objects passed between devices such as **data** sources, processing servers, applications and users in multiple **locale** or multilingual environment...

...The system provides support for all date and time-related **data** , currency **data** and numeric **data** in a single format irrespective of the origination of **data** .

...

...The figure shows the block diagram explaining the **data** conversion between different types of objects

...Title Terms: **INFORMATION** ;

International Patent Class (Main): **G06F-009/44** ...

... **G06F-017/00** ...

... **G06F-017/60**

International Patent Class (Additional): **G06F-009/00** ...

... **G06F-015/16**

(4)

33/3,K/101
DIALOG(R)File 350:Derwent WPIX
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015138459 **Image available**
WPI Acc No: 2003-198985/200319
XRPX Acc No: N03-158204
Computer **-implemented** document **compilation method for server-based web application, involves extracting** locale - sensitive **content from** document **while leaving** locale **-independent elements in** document
Patent Assignee: ARTHUR R B (ARTH-I); MURREN B T (MURR-I); SCHOLZ B J (SCHO-I); ZHOU M (ZHOU-I)
Inventor: ARTHUR R B; MURREN B T; SCHOLZ B J; ZHOU M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020162093	A1	20021031	US 2001847063	A	20010430	200319	B

30 APRIL 2001

Priority Applications (No Type Date): US 2001847063 A 20010430
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020162093	A1		18	G06F-009/45	

Computer **-implemented** document **compilation method for server-based web application, involves extracting** locale - sensitive **content from** document **while leaving** locale **-independent elements in** document

Abstract (Basic):
... A source **code** in a **document** written for a particular **locale** , is examined to determine the **locale** -sensitive content that is **specific** to the particular **locale** . The **locale** - **sensitive** content is extracted from the **document** , while leaving the **locale** -independent elements in the **document** .
... 2) **Computer** -readable medium storing **document** compilation and translation program...

...For compiling **document** such as web page, e-mail form, UI screen, etc., authored for one **locale** using **computer** , for server-based web applications...

...By extracting the **locale** - **sensitive** content, the content can be translated for use in other **locales** , thereby extending the applications research to multiple **locales** without the expense of rewriting the application for each of those **locales** .
...

...The figure shows a flowchart illustrating the **document** compilation procedure
Title Terms: **COMPUTER** ;
International Patent Class (Main): **G06F-009/45**

(5)

33/3,K/104
DIALOG(R)File 350:Derwent WPIX
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Some of the inventors

014999387 **Image available**
WPI Acc No: 2003-059902/200306
XRPX Acc No: N03-046478
Computer **implemented** locale information **transmission method in** computer network **environment, involves** identifying **root** locale **and its** variations **by local** token **ID, local version ID and table ID**
Patent Assignee: IBM CANADA LTD (IBMC)
Inventor: NETTLES W B; ROSE D A; SOOR B S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2343496	A1	20021003	CA 2343496	A	20010403	200306	B

Priority Applications (No Type Date): CA 2343496 A 20010403
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2343496	A1	E	28	G06F-017/00	

Computer **implemented** locale information **transmission method in** computer network **environment, involves** identifying **root** locale **and its** variations **by local** token **ID, local version ID and table ID**
Abstract (Basic):
... Multiple **locales** for customizing international **software** application to one of several **cultural preferences** are accessibly stored in several **databases** . A root **locale** is **identified** by a local **token** ID (206) and **variations** of the root **locale** providing different **cultural preferences** are **identified** by local version ID (204). The particular instance of the **identified locale** is distinguished with respect to a system by a table ID (202).
... 1) **Computer** system; and...

...2) **Locale information** implementation program...

...For selection and control of localization settings for internationalized **software** applications running on **computer** system (claimed) in **computer network** environment...

...Enables accurate **identification** and transmission of the root **locales** between the process components and system by using the local **token** ID, local version ID and table ID...

...The figure shows a local **identification** triplet. (Drawing includes non-English language text...
...Local **token** ID (206...
Title Terms: **COMPUTER** ;
International Patent Class (Main): **G06F-017/00**

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33/3,K/130
DIALOG(R)File 350:Derwent WPIX
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012347120 **Image available**
WPI Acc No: 1999-153227/199913
XRPX Acc No: N99-110500
Computer **implemented** grammar **checking method for Brazilian-Portuguese** lingual **analysis**
Patent Assignee: DTS SOFTWARE INC (DTSS-N)
Inventor: PARRA J F C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5870700	A	19990209	US 96625134	A	19960401	199913	B

Priority Applications (No Type Date): US 96625134 A 19960401
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5870700	A		11	G06F-017/28	

Computer **implemented** grammar **checking method for Brazilian-Portuguese** lingual **analysis**

Abstract (Basic):
... The **token data** is expanded based on comparison result of each word in sentence. An analysis tree representing **token list** and syntactic **classification** of **tokens** is generated based on pre-analysis errors of extracted sentence. A grammar rule describing special...
... Each word in the sentence is compared with an orthographic dictionary to **identify** spelling, meaning and grammar. The mismatching words, during word comparison is reported to user. Then, unmatched words **list** is generated and is indicated. A specific pre-analysis rule is applied to each **token** , to **identify** positional alternative for pre-analysis errors based on juxtaposition of words within sentence. The generated grammar rule is applied to **token list** of analysis tree, to judge low cost analysis path. The judged low cost analysis path...

...exceed stored cost value, grammar rule application is stopped. An INDEPENDENT CLAIM is included for **computer** based grammar checking system...

...comparison, thereby analysis speed is increased. Enables correction of grammar errors, by providing error check **list** during analysis...
Title Terms: **COMPUTER** ;
International Patent Class (Main): **G06F-017/28**
International Patent Class (Additional): **G06F-017/27**

(7)

SOME OF THE INVENTORS

33/3,K/139
DIALOG(R)File 350:Derwent WPIX
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011065509 **Image available**
WPI Acc No: 1997-043433/199705
Computer **operating system - formats** information **in accordance with specified** cultural preferences
Patent Assignee: IBM CANADA LTD (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: MILLER G W; ROSE D A; SMITH R M; SOOR B S; TAN L C; WESTON G D A
Number of Countries: 002 Number of Patents: 003

DISREGARD HIGHLIGHT

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2145923	A	19961001	CA 2145923	A	19950330	199705	B
US 5835768	A	19981110	US 96598761	A	19960208	199901	
CA 2145923	C	20010508	CA 2145923	A	19950330	200129	

Priority Applications (No Type Date): CA 2145923 A 19950330
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2145923	A		30	G06F-017/40	
US 5835768	A			G06F-009/40	
CA 2145923	C	E		G06F-017/40	

Computer **operating system**...
...**formats** information **in accordance with specified** cultural preferences

...Abstract (Basic): The operating system transfers one or more of the **files** , corresponding to the specified **cultural preference** , to the working memory. The operating system includes a unit for setting environment control variables corresponding to **categories** of **cultural preferences** that may be specified, means for implementing a function call, and a unit for populating each of the memory locations corresponding to the **categories** of **cultural preference** .
...

...the application programs. The function call assigns from the working memory, one stack for each **category** of **cultural preference** that may be specified. It then pushes onto each assigned stack, the location in the working memory of the transferred **file** for the **category** of **cultural preference** corresponding to the stack. Each memory location corresponding to the **categories** of **cultural preference** of each of the assigned stack is populated with the location in the working memory ...

...ADVANTAGE - Allows concurrent activation of several different **locales** within one application
Title Terms: **COMPUTER** ;
International Patent Class (Main): **G06F-009/40** ...

... **G06F-017/40**

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33/3,K/141
DIALOG(R)File 350:Derwent WPIX
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010887126 **Image available**
WPI Acc No: 1996-384077/199638
User definition method for cultural bias **of** databases **upon creation - involves determining whether user has specified** cultural tag **, and if they have not providing a default** tag **which are placed in specification** file **of** database
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: OBERMANN D F; TRUMBLE M K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5546573	A	19960813	US 93143941	A	19931027	199638	B

Priority Applications (No Type Date): US 93143941 A 19931027
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5546573	A		12	G06F-017/30	

User definition method for cultural bias **of** databases **upon creation**
...

...**involves determining whether user has specified** cultural tag **, and if they have not providing a default** tag **which are placed in specification** file **of** database

...Abstract (Basic): The method of operating a distributed **database** involves managing the manipulation of the **database** . A creation of a **database** utilising an application is specified where the application is associated with a **cultural tag** . It is determined if a user specified second **cultural tag** was provided by a user upon the specification of the **database** .
...

...A third default **tag** is provided if no user defined **tag** is available. The second or third **cultural tags** are placed in a configuration **file** for the **database** . The **database** is created using the application in response to the user selection. The **database** includes a second or third **cultural tag** which is different from the first **tag** associated with the application
...Title Terms: **CULTURE** ;
International Patent Class (Main): **G06F-017/30**

33/3,K/148
DIALOG(R)File 350:Derwent WPIX
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009967202 **Image available**
WPI Acc No: 1994-234915/199428
XRPX Acc No: N94-185650
Operating system which supports international dialects - has command data **structure stored in memory such that processor is able to select commands from command** data **structure based on particular** locale
Patent Assignee: TALIGENT INC (TALI-N); OBJECT TECHNOLOGY LICENSING CORP (OBJE-N); OTLC (OTLC-N)
Inventor: DAVIS M E; MATHENY J R; WHITE C
Number of Countries: 046 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9415284	A1	19940707	WO 93US12188	A	19931214	199428	B
AU 9458023	A	19940719	AU 9458023	A	19931214	199439	
EP 669022	A1	19950830	WO 93US12188	A	19931214	199539	
			EP 94903649	A	19931214		
US 5551055	A	19960827	US 92996781	A	19921223	199640	
JP 8505970	W	19960625	WO 93US12188	A	19931214	199648	
			JP 94515269	A	19931214		
EP 669022	B1	19970423	WO 93US12188	A	19931214	199721	
			EP 94903649	A	19931214		
DE 69310202	E	19970528	DE 610202	A	19931214	199727	
			WO 93US12188	A	19931214		
			EP 94903649	A	19931214		
CA 2135524	C	19980414	CA 2135524	A	19931214	199826	

Priority Applications (No Type Date): US 92996781 A 19921223
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9415284	A1	E	59	G06F-009/44	
Designated States (National): AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE					
AU 9458023	A			G06F-009/44	Based on patent WO 9415284
EP 669022	A1	E	59	G06F-009/44	Based on patent WO 9415284
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
US 5551055	A		33	G06F-003/00	
JP 8505970	W		89	G06F-003/14	Based on patent WO 9415284
EP 669022	B1	E	42	G06F-009/44	Based on patent WO 9415284
Designated States (Regional): DE FR GB					
DE 69310202	E			G06F-009/44	Based on patent EP 669022 Based on patent WO 9415284
CA 2135524	C			G06F-009/44	

... **has command** data **structure stored in memory such that processor is able to select commands from command** data **structure based on particular** locale

...Abstract (Basic): The system updates an application to conform to unique requirements of a **specific locale** . The update involves language translation, graphic substitution and interface element reorientation. For example, the text...

...Similarly, the selection of icons and other graphical symbols may be **culturally** dependent. Once localised, user interface elements are

stored in a disk dictionary. The disk dictionary, when given a **key** , returns a value after reading it in from disk. The disk dictionary is managed by an **archive** . The **archive** is responsible for putting together the individual user interface elements that make up a particular...

...ADVANTAGE - System makes **data** processing system suitable for use by users from any nationality or location...

...Abstract (Equivalent): A command system for displaying localized presentations, including processor means for combining a primary **key** used as message **key** that is common for all usage of a message, and a secondary **key** that represents a national language preferred by a user (10, 1410-1470), characterised by (a...

...same user interface element share a single ID part stored in said first object, (b) **archive** processor means for saving local parameters in said command **data** structure specifying the natural language of a location and other local attributes of the user, where the parameters related to a certain location from a **locale** (1910); (c) presentation processor means for selecting the individual user interface elements (40,42,200...

...806,1100,1110,2000,2030,2031); (c2) means for creating a presentation from a presentation **template** stored in said memory means (14,16) in a second object (1920,2000,22030,2031...

...in said first object of said set of user interface elements and for the related **locales** by an interface element **key** combining said ID parts in said first object and said related **locale** stored in said second object to store matching user interface elements into said presentation to...

...object processing means for displaying the presentation build to the requesting user by processing a **hierarchy** of first and second objects (36,38,2000,2030,2031...

...Abstract (Equivalent): A graphical user interface command system for use in a **computer** system having a display and a processor, the system displaying a control graphic on the display, said control graphic presenting **information** on the display, and executing a command in response to manipulation of the control graphic...

...is configured to display said control graphic in a different particular manner according to associated **locales** respectively, and comprising ...

...a memory for storing a command **data** structure, a plurality of control graphics, and a plurality of **locale** **information** for each of said control graphics...

...a pre-runtime mechanism operating on the processor for saving parameters in the command **data** structure indicative of a plurality of command executions...

...tracking apparatus for modifying the command **data** structure as the user manipulates a displayed control graphic to select and execute one of...

...a **locale** selector for selecting one of said plurality of **locale** **information** ; and...

...control apparatus, coupled to said memory, said pre-runtime mechanism,

said tracking apparatus, and said **locale** selector, for generating one of said control graphics in a **specific** manner based on said selected **locale information** and wherein for different **locales** said control graphic has different **information** contents or same **information** contents displayed in a predetermined **order** .

(

...Title Terms: **DATA** ;

International Patent Class (Main): **G06F-003/00** ...

... **G06F-003/14** ...

... **G06F-009/44**

International Patent Class (Additional): **G06F-003/03** ...

... **G06F-009/06**

```
Set     Items   Description
S1     158329   CULTURE? OR CULTURAL? OR LOCALE? OR LOCALIT?
S2     471977   SOCIAL OR SOCIETY OR ETHNO? OR ETHNI? OR GEOGRAPH?()LOCATI-
             ON? OR COUNTRY OR COUNTRIE? OR DIALECT? OR NATIVE? OR INDIGEN?
              OR LINGUAL? OR LINGUIST? OR NATIONAL? OR REGIONAL?
S3    1117459   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
             RIC?
S4     745360   CONVENTION? ? OR RULE? ? OR PREFERENC? OR PREFERENT? OR ID-
             IOSYNCRA?
S5    1017476   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
              OR ODDIT? OR PECULIARIT?
S6     975013   COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICI-
             T? OR VARIATION? OR CHARACTERISTIC?
S7     198910   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
S8     364952   GUIDE? OR TEMPLAT? OR STENCIL?
S9     335351   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
             OR? OR ID OR SIGNATUR?
S10     87365   SORT OR SORTS OR SORTED OR SORTING
S11    161258   CATALOG? OR CATEGORI? OR CATEGORY? OR ALPHABETIZ? OR ALPHA-
             BETIS? OR ALPHANUMERIC?
S12    847147   ORGANIZ? OR ORGANIS? OR IDENTIFY? OR IDENTIFI? OR CODING OR
              REARRANG? OR ORIENT? OR REORIENT?
S13   1440803   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
             CHRONOLOGIC?
S14    103622   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
             S()REFEREN?
S15    874558   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
             OR INVENTORY? OR INVENTORIE?
S16   1275907   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
             CHRONICL? OR ARCHIV?
S17    491281   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S18    136705   IC=G06F?
S19     12972   S1:S2(5N)S3:S6 AND S7:S9(5N)S10:S16 AND S17:S18
S20      2504   S19 AND S18
S21       370   S20 AND S1(3N)S3:S6
S22       326   S21 AND S7:S9(5N)S10:S14
S23       321   S21 AND S7:S9(5N)S15:S16
S24       350   S21 AND S15:S16(5N)S10:S14
S25       272   S22 AND S23 AND S24
S26       151   S25 AND PY<2002
S27       151   IDPAT (sorted in duplicate/non-duplicate order)
? show files
File 348:EUROPEAN PATENTS 1978-2005/Jan W01
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041230,UT=20041223
         (c) 2004 WIPO/Univentio
?
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1

27/3/31 (Item 31 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00639039
INTERNATIONAL DATA PROCESSING SYSTEM
INTERNATIONALES DATENVERARBEITUNGSSYSTEM
SYSTEME INTERNATIONAL DE TRAITEMENT DE DONNEES
PATENT ASSIGNEE:
OTLC, (2150200), 10355 N. De Anza Boulevard, Cupertino, CA 95014, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
MATHENY, John, R., 801 Church Street, No 1321, Mountain View, CA 94041, (US)
WHITE, Christopher, 1600 Villa Street, No 296, Mountain View, CA 94041, (US)
DAVIS, Mark, E., 10174 Potters Hatch Common, Cupertino, CA 95014, (US)
LEGAL REPRESENTATIVE:
Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen, (DE)
PATENT (CC, No, Kind, Date): EP 669022 A1 950830 (Basic)
EP 669022 B1 970423
WO 9415284 940707
APPLICATION (CC, No, Date): EP 94903649 931214; WO 93US12188 931214
PRIORITY (CC, No, Date): US 996781 921223
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-009/44**
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	1004
CLAIMS B	(German)	EPAB97	960
CLAIMS B	(French)	EPAB97	1155
SPEC B	(English)	EPAB97	17677
Total word count - document A			0
Total word count - document B			20796
Total word count - documents A + B			20796

see related documents below

27/3/32 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00267115
INTERNATIONAL DATA PROCESSING SYSTEM
SYSTEME INTERNATIONAL DE TRAITEMENT DE DONNEES
Patent Applicant/Assignee:
TALIGENT INC,
Inventor(s):
MATHENY John R,
WHITE Christopher,
DAVIS Mark E,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9415284 A1 **19940707**
Application: WO 93US12188 19931214 (PCT/WO US9312188)
Priority Application: US 92996781 19921223
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 17898

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             ON? OR COUNTRY OR COUNTRIE? OR DIALECT? OR NATIVE? OR INDIGEN?
              OR LINGUAL? OR LINGUIST? OR NATIONAL?
S3    6054903   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
             RIC?
S4    1173032   CONVENTION? ? OR RULE? ? OR PREFERENC? OR PREFERENT? OR ID-
             IOSYNCRA?
S5    1355725   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
              OR ODDIT? OR PECULIARIT?
S6    6648021   COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICI-
             T? OR VARIATION? OR CHARACTERISTIC?
S7     832330   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
S8     886991   GUIDE? OR TEMPLAT? OR STENCIL?
S9     614864   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
             OR? OR ID OR SIGNATUR?
S10    132766   SORT OR SORTS OR SORTED OR SORTING
S11    527483   CATALOG? OR CATEGORI? OR CATEGORY? OR ALPHABETIZ? OR ALPHA-
             BETIS? OR ALPHANUMERIC?
S12   6616279   ORGANIZ? OR ORGANIS? OR IDENTIFY? OR IDENTIFI? OR CODING OR
              REARRANG? OR ORIENT? OR REORIENT?
S13   6518988   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
             CHRONOLOGIC?
S14    406859   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
             S()REFEREN?
S15   8291492   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
             OR INVENTORY? OR INVENTORIE?
S16   4731474   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
             CHRONICL? OR ARCHIV?
S17   6400256   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S18         0   IC=G06F?
S19     27133   S1:S2 AND S3:S6 AND S7:S9 AND S10:S14 AND S15:S16
S20      5642   S19 AND S17
S21     27133   S19:S20
S22      3552   S21 AND S1:S2(5N)S3:S6
S23       679   S22 AND S7:S9(5N)S10:S14
S24       595   S22 AND S7:S9(5N)S15:S16
S25       833   S22 AND S15:S16(5N)S10:S14
S26       100   S23 AND S24 AND S25
S27      1602   S23:S25
S28       319   S27 AND S17
S29       373   S27:S28 AND S1(5N)S3:S6
S30        51   S29 AND S17
S31       146   S26 OR S30
S32       109   S31 AND PY<2002
S33       104   RD (unique items)
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File   2:INSPEC 1969-2004/Dec W2
         (c) 2004 Institution of Electrical Engineers
File   6:NTIS 1964-2005/Jan W1
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2005/Dec W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Jan W1
         (c) 2005 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/Dec
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Jan W1
         (c) 2005 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2005/Dec W1
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(c)2005 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2004/Jun W1
(c) 2004 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Nov
(c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Dec W1
(c) 2004 INIST/CNRS
File 239:Mathsci 1940-2004/Feb
(c) 2004 American Mathematical Society
File 256:TecInfoSource 82-2004/Dec
(c) 2004 Info.Sources Inc
File 474:New York Times Abs 1969-2005/Jan 06
(c) 2005 The New York Times
File 475:Wall Street Journal Abs 1973-2005/Jan 06
(c) 2005 The New York Times
File 481:DELPHES Eur Bus 95-2005/Dec W3
(c) 2005 ACFCI & Chambre CommInd Paris
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
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Set     Items   Description
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              OR LINGUAL? OR LINGUIST? OR NATIONAL?
S3    6054903   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
             RIC?
S4    1173032   CONVENTION? ? OR RULE? ? OR PREFERENC? OR PREFERENT? OR ID-
             IOSYNCRA?
S5    1355725   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
              OR ODDIT? OR PECULIARIT?
S6    6648021   COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICI-
             T? OR VARIATION? OR CHARACTERISTIC?
S7     832330   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
S8     886991   GUIDE? OR TEMPLAT? OR STENCIL?
S9     614864   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
             OR? OR ID OR SIGNATUR?
S10    132766   SORT OR SORTS OR SORTED OR SORTING
S11    527483   CATALOG? OR CATEGORI? OR CATEGORY? OR ALPHABETIZ? OR ALPHA-
             BETIS? OR ALPHANUMERIC?
S12   6616279   ORGANIZ? OR ORGANIS? OR IDENTIFY? OR IDENTIFI? OR CODING OR
              REARRANG? OR ORIENT? OR REORIENT?
S13   6518988   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
             CHRONOLOGIC?
S14    406859   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
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S15   8291492   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
             OR INVENTORY? OR INVENTORIE?
S16   4731474   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
             CHRONICL? OR ARCHIV?
S17   6400256   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S18         0   IC=G06F?
S19     27133   S1:S2 AND S3:S6 AND S7:S9 AND S10:S14 AND S15:S16
S20      5642   S19 AND S17
S21     27133   S19:S20
S22      3552   S21 AND S1:S2(5N)S3:S6
S23       679   S22 AND S7:S9(5N)S10:S14
S24       595   S22 AND S7:S9(5N)S15:S16
S25       833   S22 AND S15:S16(5N)S10:S14
S26       100   S23 AND S24 AND S25
S27      1602   S23:S25
S28       319   S27 AND S17
S29       373   S27:S28 AND S1(5N)S3:S6
S30        51   S29 AND S17
S31       146   S26 OR S30
S32       109   S31 AND PY<2002
S33       104   RD (unique items)
S34       641   S28:S29
S35        51   S28 AND S29
S36       268   S28 NOT S32
S37       231   RD (unique items)
S38       176   S37 AND PY<2002
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38/3,K/103 (Item 18 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

00878309 Genuine Article#: FD396 No. References: 31
Title: ADAPTING TEXT TO DATA **IN** DOCUMENTS **THROUGH A NATURAL-LANGUAGE PROCESSOR**
Author(s): NEGRI M; PELAGATTI G; SBATTELLA L
Corporate Source: UNIV BRESCIA,DIPARTIMENTO AUTOMAZ IND/BRESCIA//ITALY/; POLITECN MILAN,DIPARTMENTO ELETTROTECN/I-20133 MILAN//ITALY/
Journal: INFORMATION SYSTEMS, **1991** , V16, N1, P35-47
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: ADAPTING TEXT TO DATA **IN** DOCUMENTS **THROUGH A NATURAL-LANGUAGE PROCESSOR**
, 1991
Abstract: This paper presents an approach to the problem of generating **documents** from schemas and variable **data** so that the schematic contents are made **linguistically** consistent with the injected **data** .

A **key** aspect of the proposed approach consists in performing most of the required **linguistic** analysis during the schema definition phase instead of during runtime **document** production. This is achieved by abstracting at schema definition time the main **linguistic** properties of the **data** which will be injected.

Another important **characteristic** of the approach consists in the fact that not only variable **data** can be injected in the schematic contents but also a whole **document** ; in this case the resulting **document** is **linguistically** adjusted, as a whole, resolving references between the outer and the inner subdocuments.
...Identifiers--AUGMENTED TRANSITION **NETWORKS** ; MANAGEMENT
Research Fronts: 89-3149 002 (SMALL CLAUSES IN ENGLISH; SERIAL VERB CONSTRUCTIONS; UNIVERSAL **GRAMMAR** ; SYNTACTIC PROCESSING; WORD **ORDER**)

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S3     291805   ETHNO? OR ETHNI? OR GEOGRAPH?()LOCATION?
S4    6130709   COUNTRY? OR COUNTRIE? OR DIALECT? OR NATIVE? OR INDIGEN? OR
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S5    2519655   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
            RIC?
S6    2320042   CONVENTION? ? OR RULE? ? OR PREFERENC? OR PREFERENT? OR ID-
            IOSYNCRA?
S7     461331   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
             OR ODDIT? OR PECULIARIT?
S8    1004903   COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICI-
            T? OR VARIATION? OR CHARACTERISTIC?
S9    2120334   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
S10    826166   GUIDE? OR TEMPLAT? OR STENCIL?
S11   1618833   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
            OR? OR ID OR SIGNATUR?
S12    817572   SORT OR SORTS OR SORTED OR SORTING
S13    994864   CATALOG? OR CATEGORI? OR CATEGORY? OR ALPHABETIZ? OR ALPHA-
            BETIS? OR ALPHANUMERIC?
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             REARRANG? OR ORIENT? OR REORIENT?
S15   5673790   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
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S16    378315   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
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S17   5245742   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
            OR INVENTORY? OR INVENTORIE?
S18   8671150   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
            CHRONICL? OR ARCHIV?
S19   4275840   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S20     21395   S1:S4(5N)S5:S8 AND S9:S11 AND S12:S16 AND S17:S18
S21      7715   S20 AND S19
S22      1155   S21 AND S1(3N)S5:S8
S23       223   S22 AND S12:S16(5N)S17:S18
S24        96   S22 AND S9:S11(5N)S17:S18
S25       137   S22 AND S12:S16(5N)S9:S11
S26        12   S23 AND S24 AND S25
S27        67   S23 AND S24:S25
S28        41   S24 AND (S23 OR S25)
S29        48   S25 AND S23:S24
S30        72   S26:S29
S31       127   S30 OR S24
S32        49   S31 AND PY<2002
S33       372   S23:S25
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S35       179   S32 OR S34
S36       175   RD (unique items)
? show files
File  20:Dialog Global Reporter 1997-2005/Jan 10
         (c) 2005 The Dialog Corp.
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DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

15969883 (USE FORMAT 7 OR 9 FOR FULLTEXT)
OneRealm Releases Version 2.3 of GlobalReady Expeditor; Locale-Neutral Product Provides First Step in Software **Globalization**
BUSINESS WIRE
April 03, 2001
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 543

(USE FORMAT 7 OR 9 FOR FULLTEXT)
OneRealm Releases Version 2.3 of GlobalReady Expeditor; Locale-Neutral Product Provides First Step in Software **Globalization**

... OneRealm's unique Expeditor tool opens doors to new international markets by finding and correcting **software** globalization errors that otherwise would impede a company's internationalization efforts. The new 2.3...

OneRealm's Expeditor(tm) internationalization **software** analyzes C/C++, Java **software** , HTML and other Web-related programming languages for companies seeking global markets. Expeditor quickly parses a company's source **code** , **identifies** globalization problems and automatically fixes bugs to produce 'locale-neutral' **software** - the first phase in **software** globalization.

"Expeditor provides the initial step for the globalization process, and the new navigation toolbar makes working with problem segments in the source **code** even easier and faster," said Mark Kreider, vice president of Engineering at OneRealm. "By incorporating...

... the development process, companies drastically reduce the time and cost of internationalizing and localizing their **code** because the source **code** , and the externalized **code** from the localization engineers, is clean from the start."

Globalization is an Integrated Process

Once 'locale-neutral,' **software** requires localization for the target market. To ensure a successful globalization effort, OneRealm believes both ...

... be integrated. OneRealm's team of globalization experts provides implementation for the localization phase of **software** globalization, making OneRealm a complete solutions provider for global companies.

"Waiting until the quality-assurance stage of development to test your **code** for global-readiness means that each bug you find will be expensive to fix," said...

... globalization-best practices, the less expensive it is to correct faults. In addition, internationalizing your **code** with respect to your target locale also saves money by eliminating a myriad of complications during localization."

Expeditor automatically assesses source **code** to find problems ranging from non-externalized strings to **locale - specific data** types. Internationalization and localization are simplified because Expeditor creates and maintains one set of locale-neutral source **code** while automatically building resource **files** and message **catalogues** that facilitate quick, accurate and cost-saving localization.

GlobalReady(tm) Expeditor(tm) was introduced in...

...dialog box retains previously entered

literal and action comments, eliminating the need to re-type **information** . This feature can also be accessed through a quick- **key** combination or double-clicking the problem in 'tree-view', in addition to using a pull-down menu.

About OneRealm

OneRealm specializes in **software** globalization and provides cross-border e-business solutions to Global 2000, **software** and emerging Web companies. OneRealm is also focusing on developing tools for the localization of **database** and application content.

Founded in 1997, OneRealm is a privately held company based in the Denver-Boulder (Colo.) high-tech business corridor. For more **information** on OneRealm, call 888-345-9845 or visit OneRealm online at www.onerealm.com.

CONTACT...

SIC CODES/DESCRIPTIONS: 5961 (**Catalog** & Mail **Order** Houses); 9721 (International Affairs); 7372 (Prepackaged **Software**)

NAICS CODES/DESCRIPTIONS: 45411 (Electronic Shopping & Mail- **Order** Houses); 92812 (International Affairs); 51121 (**Software** Publishers)

20010403

36/3,K/175
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

01232962 (USE FORMAT 7 OR 9 FOR FULLTEXT)
enCommerce Announces Japanese Version of getAccess 2.0
BUSINESS WIRE
March 25, 1998 8:23
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 712

(USE FORMAT 7 OR 9 FOR FULLTEXT)

enCommerce, Inc., a pioneering developer of Web security management **software** , today announced the release of getAccess 2.0J, the Japanese version of its flagship **software** . Initial customers for getAccess 2.0J will be Oki Electric, and Kawasaki Heavy Industries (OTC BB: KWHIY). Shipping in May, the new **software** release extends enCommerce's presence in the Japanese intranet/extranet market -- the second largest in...

...wide marketing distribution partners, and licensed customers, Mitsubishi Corporation (OTC BB: MSBHY) and Osaka Gas **Information** Systems. getAccess 2.0J enables **organizations** to extend and integrate selective access to applications on the Web, and dramatically reduces the...
... for global applications, getAccess 2.0J is truly multi-lingual. Users can individually change their " **locale** " **preferences** (language, **sorting** , and date and time formats), making getAccess display all the contents of the end-user...

...installations. Corporate license is available for customers with a large number of users. For more **information** please contact enCommerce at (408) 733-7800 or via e-mail at **info** @encommerce.com. About getAccess
getAccess is an enterprise-class **software** product for Web application security management. getAccess is the only all-in-one solution in...

... Web-based administration of all users and resources, and back-end services to integrate your **organization** 's Web resources-all of this within a secure architecture and a highly-scaleable implementation...

... applications and content, subject only to their level of access privileges. Using an advanced, object- **oriented** **data** repository design, getAccess enables first- and second-level administrators to easily determine and control which **categories** of users can access which applications and **information** resources on the enterprise **network** through roles-based business rules. getAccess supports not only access to Web-enabled applications or **information** resources, but also access privileges specific to each application. About enCommerce
enCommerce, Inc. is a leading supplier of Web security management **software** , providing enterprise-class products that dramatically reduce the time and cost of managing intranets and extranets. enCommerce products and services enable **organizations** to move closer to customers, channels, and business partners in a secure and scaleable environment, while increasing efficiencies and saving costs by extending access to enterprise **information** . Customers include Acuson, Apple **Computer** , Bay **Networks** , Brigham Young University, Centura **Software** , Charles Schwab, **Key** Corporation, Mitsubishi Corporation, Oracle Corporation, Shell International, SAP AG, Synopsys, and Storage Tek. Strategic partners

include VeriSign, JapanNet, NetDynamics, WebLogic, RSA **Data** Security, Mitsubishi Corporation and Osaka Gas **Information** Systems. For additional **information** , refer to the company's Web site at ww.encommerce.com.

CONTACT: enCommerce, Inc.

Hector...

19980325

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Set     Items   Description
S1      999482   CULTURE? OR CULTURAL? OR LOCALE? OR LOCALIT?
S2     1813464   SOCIAL OR SOCIETY
S3      237798   ETHNO? OR ETHNI? OR GEOGRAPH?()LOCATION?
S4     4172695   COUNTRY? OR COUNTRIE? OR DIALECT? OR NATIVE? OR INDIGEN? OR
              LINGUAL? OR LINGUIST?
S5     3889080   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
             RIC?
S6     2256929   CONVENTION? ? OR RULE? ? OR PREFERENC? OR PREFERENT? OR ID-
             IOSYNCRA?
S7      981105   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
              OR ODDIT? OR PECULIARIT?
S8     2397472   COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICI-
             T? OR VARIATION? OR CHARACTERISTIC?
S9     3000888   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
S10    1475025   GUIDE? OR TEMPLAT? OR STENCIL?
S11    1037475   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
             OR? OR ID OR SIGNATUR?
S12     617531   SORT OR SORTS OR SORTED OR SORTING
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S14    5678500   ORGANIZ? OR ORGANIS? OR IDENTIFY? OR IDENTIFI? OR CODING OR
              REARRANG? OR ORIENT? OR REORIENT?
S15    6309924   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
             CHRONOLOGIC?
S16     573544   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
             S()REFEREN?
S17    8833000   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
             OR INVENTORY? OR INVENTORIE?
S18   13233669   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
             CHRONICL? OR ARCHIV?
S19    8637407   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S20      36750   S1:S4(5N)S5:S8 AND S9:S11 AND S12:S16 AND S17:S18 AND S19
S21       9313   S20 AND S1(3N)S5:S8
S22       2472   S21 AND S9:S11(5N)S12:S16
S23       1410   S21 AND S9:S11(5N)S17:S18
S24       3833   S21 AND S12:S16(5N)S17:S18
S25        552   S22 AND S23 AND S24
S26        430   S25 AND PY<2002
S27        361   RD (unique items)
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File   9:Business & Industry(R) Jul/1994-2005/Jan 07
         (c) 2005  The Gale Group
File  15:ABI/Inform(R) 1971-2005/Jan 08
         (c) 2005 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2005/Jan 10
         (c) 2005 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2005/Jan 10
         (c) 2005 The Gale group
File  98:General Sci Abs/Full-Text 1984-2004/Sep
         (c) 2004 The HW Wilson Co.
File 141:Readers Guide 1983-2004/Sep
         (c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2005/Jan 10
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Managing the global workforce: Challenges and strategies
Roberts, Karen; Kossek, Ellen Ernst; Ozeki, Cynthia
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...ABSTRACT: a dramatic expansion of the scope of workforce management and a whole host of new **organizational** challenges. Using the **data** collected from interviews with international human resource managers in eight large companies, three practical challenges to managing the global workforce are **identified** and four strategies for meeting those challenges are discussed. The three challenges are: deployment, knowledge and innovation dissemination, and talent **identification** and development. The four strategies are; aspirational careers, awareness-building assignments, SWAT teams, and virtual...
...TEXT: a dramatic expansion of the scope of workforce management and a whole host of new **organizational** challenges. Using **data** collected from interviews with international human resource managers in eight large companies, this paper **identifies** three practical challenges to managing the global workforce and four strategies for meeting those challenges. The three challenges are: deployment, knowledge and innovation dissemination, and talent **identification** and development. The four strategies are: aspatial careers, awareness-building assignments, SWAT teams, and virtual ...

...force. "Get the best people from everywhere," said one executive. "Don't just rely on **information** from headquarters. Try to find out what the people in Europe or Japan might know...

... such an assignment. A European perspective might be useful, but he didn't even have **records** on possible candidates from the other overseas offices. Steve was on his own, and he...

...but there is no consensus about what tools to use. Adler and Bartholomew noted that **organizational** "strategy (the what) . . . is internationalizing faster than implementation (the how) and much faster than the...
... and executives themselves (the who)."1 Steve has been given an assignment that reflects his **organization** 's commitment to manage globally but little guidance about how to meet his goals.

The...

... HR management. Second, we wanted variation across industries to assure that we were not uncovering **information** idiosyncratic to certain types of industries. Third, we selected firms whose recruitment policies indicated a ...

... each firm a letter describing our study and requesting an interview. We asked that they **identify** any other HR professionals in their **organization** whom we might also interview. Based on this process, we interviewed 24 professionals at eight firms.2 The letter **listed** four questions that we wanted to cover during the interview:

1. What are the **key** global pressures affecting human resource management

practices in your firm currently and for the projected...

...should possess?
3. What are examples of leading edge international human resource practices in your **organization** ?

4. To what extent is international knowledge needed by entry level professionals in human resource management at your **organization** ?

The questions were deliberately broad, reflecting our exploratory approach. Each interview lasted 11/2 to...

...thought would be valuable to our study. Once we had begun to analyze our interview **information** , we used follow-up phone calls both to those we interviewed as well as to other professional contacts to supplement or clarify the **data** from the interviews.

The **information** from these interviews was distilled into a two-dimensional framework. One dimension was the set...

...responses:

(1) Deployment: easily getting the right skills to where they are needed in the **organization** regardless of geographical location;
(2) Knowledge and innovation dissemination: spreading state of the art knowledge and practices throughout the **organization** regardless of where they originate; and,

(3) **Identifying** and developing talent on a global basis: **identifying** who has the ability to function effectively in a global **organization** and developing those abilities.

Although skill deployment, **information** dissemination, and talent **identification** have long been basic HR challenges, in the global environment, these issues are overlaid with...

...management is to reinterpret successful past practices in terms of these complexities.

Deployment

All the **organizations** had a history of operating internationally, but had relied on a headquarterssubsidiary structure and the...

... model of human resource staffing where U.S. nationals held most positions of authority. This **arrangement** was adequate in yesterday's international **organization** because leadership, decisionmaking authority, and **organizational** power flowed from the parent site to the foreign subsidiaries. Today, however, new technologies, new...

...to have an expatriate than a local national in any given job.

All of the **organizations** were developing alternative ways to get the right people to where the work is on an as-needed basis. The **key** innovation is that **organizations** are making distinctions between when it is necessary to physically move a person to a...

... no longer seen as the only method for delivering certain services to parts of the **organization** , giving way to short-term assignments and virtual deployment. Getting managers to stop relying on...

...due to cross-cultural ignorance.

Knowledge dissemination/Innovation transfer

The HR executives cited two global **information** flow blockages: disseminating knowledge from one location to another and spreading innovation. Under earlier expatriate structures, **information** flowed from the center out. Current global **organizations** need structures where all units concurrently receive and provide **information** . Valuable market and production technology **information** are being produced outside the parent location. One example of the perils of not using local expertise in collecting market **information** is Marks & Spencer, Britain's largest retailer. The company failed routinely overseas until it found...

...language compounded the trust problem. Although English was the business language in all of these **organizations** , halting speech, misused words, strange grammar, and mispronounced words can subtly undermine the perception that the speaker is competent.

Talent **Identification** and Development

One executive at General Motors Corp. began his interview with us by noting that:

. . the **key** global issue [for GM] is how to transform the **organization** internally to become globally competitive. Even for employees who may never go overseas, it is...

...or another. But, eventually, each interview came to the reality that not everyone in the **organization** is going to thrive and prevail in a global environment. Therefore, one of the larger challenges of managing the global labor force is **identifying** who is most likely to grasp the complexities of the transnational operations and function well in that **sort** of environment. As one Merck executive described it:

In the 1940s, transactions were the basis...

... challenge to [global human resource management] is to learn to talk in terms of "stories." **Organizations** need people who understand the business and who are able to see where the business...

...conflict and change.

One aspect of this challenge is that the scope of the transnational **organization** is so large that just collecting **information** about employees is difficult. Also, all of the executives we interviewed acknowledged that there were **cultural biases** in the selection process that probably caused talented people to be overlooked. One Amoco Corp...

...in the U.S., and it is common for men who are senior in their **organizations** to leave work at 3 p.m. to pick up their children after school. While... executives considered overseas experience a sine qua non for promotion to top jobs in their **organizations** . But, for a variety of reasons, many talented employees do not want to move overseas...

... that the expected growth in their industries was in locations that were not viewed as **desirable** by employees from developed **countries** . An Amoco executive noted that in some West African countries where Amoco had operations, 30...

...expatriates.

Four Strategies for Managing the Global Workforce

The managers we interviewed described how their **organizations** had moved away from the traditional expatriate assignment and the new **arrangements** they were using to meet the three challenges above. Tables 1 through 4 summarize the **key** points of each of the strategies.

Aspatial Careers

Aspatial careerists have borderless careers, typically working...
... base but are required to travel and to have the ability to think about the **organization** in ways that are spatially neutral. If they relocate, their families go with them.

The...

... associated with the traditional expatriate model. As a result, only a small percent of most **organizations** ' employees follow aspatial career paths. GM estimates that there are only about 900 of its...

... as tacit or implicit knowledge. Successful aspatial careerists develop an in-depth understanding of global **organizations** because they have managed across cultures and know how culture affects work.

They have also developed extensive global **networks** that help them **identify** and draw on expertise throughout their **organizations** . These managers' global insights tend to filter through the **organization** rather than be distributed by means of explicit training or the introduction of new technology...

... and three in Switzerland, at each point deepening his health care expertise and expanding his **network** . He had become a repository of cross-cultural health care **information** as well as a someone who knew the players across these different sites. His gradually accumulated **information** made him an insightful manager and valuable to the company. The talent **identification** potential of aspatial careers is not yet fully realized. Several companies noted that they are...

... have rotated across different countries have the global perspective needed at the top of the **organization** . However, none of the companies we interviewed had fully committed to reliance on aspatial career experience as an **indicator** of top management potential. Rather, several admitted that their companies still had difficulties with recognizing...

...operations.

Awareness-Building Assignments

The primary purpose of awareness-building assignments is to develop cross-**country** **sensitivity** in high-potential employees in a short time. These assignments last anywhere from 3 months...

...expected to have a broadened cultural perspective and an appreciation of the diversity in the **organization** . One of the Dow executives summarized the purpose of these assignments:

Overseas assignments are no...location in the company is one who is likely

to function effectively in the global **organization** .

SWAT Teams

SWAT teams are highly mobile teams of experts, deployed on a short-term...

...Table 1

(Table Omitted)

Captioned as: Table 2

SWAT teams comprise nomadic experts who are **identified** internationally and deployed as internal consultants on an as-needed basis. As a Dow executive...

...across our different businesses." At GM, the SWAT team takes the form of an expert **network** , internal consultants deployed throughout the **organization** . The actual amount of time spent overseas varies with the purpose or project but in...

...is under three months.

The primary strength of this approach is that it permits the **organization** to cultivate highly specialized knowledge and expertise on a limited basis, and to apply that expertise wherever it is needed within the **organization** . One difference between SWAT teams and awareness-building assignments is that there is no explicit...

... use of all forms of the Internet and intranets, videoconferencing, electronic expert systems, and electronic **databases** coupled with user-friendly front-end systems. The chief advantages to this strategy are the...

... mail, are the most democratic form of overseas deployment, allowing communication among employees regardless of **organizational** level. Videoconferencing has a similar advantage; however, videoconferencing facilities are a scarce resource compared with E-mail in most **organizations** . Both Dow and Merck managers said that their videoconferencing rooms were in constant use.
Virtual international teams design **software** at IBM Corp. Communication through intranets allows for 24-hour product development. One team includes **software** developers from the U.S., several former Soviet Union states, and India. The work is...

...the U.S. At the end of the day, the U.S. team transmits its **files** via the intranet to the Soviet team, which works on the project until the end ...

...ends at the start of business for the U.S. team, which picks up the **files** and continues the production cycle.

A more sophisticated virtual deployment tool is the use of...

...expensive.

All the companies have web pages on the Internet with company background and product **information** , as well as public **information** about new developments. E-mail is in common use and electronic bulletin boards to solve...

... were becoming more common. At the time of our interviews, comparable intranet systems with proprietary **information** were in development. This **sort** of communication is one mechanism to break down some of the barriers to **information** flow erected by technical chauvinism. Reiterating the theme of cross-cultural distrust, one GM executive broadcast class where students can interact with the instructor across **networks** that permit student questions and discussion, even pop quizzes. However, distance learning is still in...

...was not cited as a commonly used tool.

All the firms had Global Human Resource **Information** Systems (GHRIS), which allowed for global job posting. The companies stressed that talent **identification** below the highest level on a global basis was **key** to the success of the company. Amoco Corp., Dow, and Merck used their GHRIS to store career **data** about their employees useful for selection and, on a more limited basis, for job posting...

...The challenge of global deployment is getting the needed skills from one part of the **organization** to another inexpensively. Not all of the tools associated with each of the strategic solutions...

... if culturally embedded, use aspatial careers. To provide shortterm training or skills application that requires **cultural sensitivity** , use awareness-building assignments. SWAT teams offer on-site technical skills, knowledge of production process...

... with only a little cultural component to the interaction, or a wide sweep of the **organization** to search for or communicate technical details or **information** .

Diagnosing the Knowledge and Innovation Dissemination Challenge

The **information organizations** need to stay competitive ranges from highly technical to informally communicated background **information** . The effectiveness of each of the four strategies depends on the type of knowledge or innovation being disseminated. Choosing among the four strategies depends on the technical complexity of the **information** that is to be shared and the extent to which it must be culturally embedded...

...a cultural context, use aspatial careers. Awareness-building assignments succeed when the knowledge is primarily **cultural** awareness and cross-**cultural sensitivity** training. If the knowledge is defined technology or practices with minimal cultural content, use SWAT teams. If the knowledge requires ongoing and frequent **information** exchanges among dispersed employees, use virtual solutions.

Diagnosing Talent **Identification** and Development Challenges

Development of a global mindset is essential to operating globally. Executives are...

... for people who have a broad perspective and can intelligently apply practical leadership skills to **guide** change in the **organization** . Baxter International looks for "patience, flexibility, communication skills, intellectual curiosity about the rest of the...

...We are looking for people with curiosity and a mix of skills.

This suggests that **organizations** should select well, then develop. Companies that need to **identify** and develop leaders with in-depth cultural knowledge and proven cross-cultural abilities and are willing to spend time and money to have those people, should use aspatial careers. To **identify** and develop high potential performers with an understanding that they are functioning in a global **organization** and an appreciation of cultural diversity, companies should use awareness-building assignments. SWAT teams provide...
... competent specialists whose skills tend to be needed on a short-term basis. Virtual solutions **identify** employees using shared selection criteria to fill vacancies with well-understood job requirements.

Implementing the...

... the development of a culture of company over country. Baxter has deployed leadership throughout the **organization** regardless of national origin: the VP for the European region is of U.S. origin...

... company, not only for the region in which they reside. Baxter has eliminated country-based **organization** and reorganized by product group or business function. Also, the position of country general manager has been eliminated to encourage a business-over-country **orientation** .

These geographically fluid careers are more successful if rotations occur within culturally homogeneous regions. Both...of border areas allows the company to move people quickly with minimal adjustment."14

One **identification** mechanism used by several companies is the pan-regional meeting. This meeting takes place regularly...
... the highest-) level managers and sometimes technical people within a geographical region meet to exchange **information** and **network** . The meetings last several days to a week and are used to showcase potential aspatial careerists. HR people are included and charged with **identifying** potential talent for global reassignment. Dow holds four annual meetings, one in each region, where...

... talented people, these annual meetings are high pressure events. These meetings are used also to **identify** candidates for awareness-building assignments.

An informal outcome from Dow's meetings is the evolution...

... a shared understanding of what is meant by global competencies. This evolves out of formal **identification** and presentation of high potential talent at the pan-regional meetings. Each meeting serves as...

... of global selection criteria. This evolving understanding of the managerial traits required by the global **organization** is used to **identify** candidates for both aspatial careers and awareness-building assignments.
A **key** component to motivating talented employees to go overseas, even for a short time, is their belief that the **organization** values overseas experience. This will be especially true for aspatial careerists, but also true to a lesser extent for awareness-building assignments and SWAT team employees. Most **organizations** send a mixed message to employees about the value of overseas experience.15

There is...

... the parent company. Most aspatial careerists are at or near the top of

the overseas **organization** and in many cases behave like CEOs. Their jobs at the parent site are of necessity of lower status. The more **hierarchical** an **organization** , the more difficult this problem will be. Structuring jobs of returning aspatial employees to allow sufficient autonomy and **identifying** explicit ways to fully utilize their overseas expertise is important. GM does this by using...

... to relocate to avoid that career ceiling. At another extreme, one executive candidly described his **organization** as a having a top management that stressed overseas experience; below top management, however, was...
...into a unit where the manager has had some overseas experience.

Recognizing family needs is **key** to successful aspatial career deployment. According to numerous studies, family circumstances are the leading cause ...

... building assignments can effectively bridge these gaps when they are used to collect consumer market **information** . Amoco uses awareness-building assignments to develop product preference sensitivity in employees who design products...leave the employee soured about overseas experiences and negative about the global scope of the **organization** . Rather than trying to avoid the adjustment cycle, **organizations** should use training to prepare employees for it. The virtue of the adjustment cycle is...

...work will be done on a team basis, individual contributor-type employees with a technical **orientation** are the best candidates. Second, because technical challenges are what motivates them, mechanisms such as...

... is most easily applied in a manufacturing setting where production processes are less dependent on **cultural idiosyncracies** . For example, GM uses what they refer to as internal consulting teams to collect **information** about best manufacturing processes and to disseminate them to other plants world-wide.

In some...

...their very clear limitations, tending to draw on the manufacturing model to conceptualize deployment and **information** dissemination challenges, and applying that model to nonproduction situations. The pure SWAT team approach will...

... and the benefits are often intangible, but in many cases these are necessary prerequisites for **information** exchange and effective working relationships. If these are needed, the SWAT team strategy will fail...

... to form below the level of top management. Virtual communications that are not necessarily task- **oriented** but that foster interpersonal exchanges enable task **information** to flow more smoothly. In addition, opportunities for innovation can occur at electronic hand-off points if **information** about production methods, problems, and solutions is shared informally.

In most cases, electronic communication is...cat."zl
Both Dow and Baxter use employee questionnaires designed by international teams to collect **information** about operations, practices, and values across the firm to build cross-cultural **data** bases. These **data** bases can be retrieved by employees throughout the **organization** and can supplement other cultural training for virtual solution users. The Baxter survey is customized...

...measures climate as well as management practices.

All of the companies had a Human Resource **Information** System (HRIS) in place, but varied in the degree to which it could be characterized as a global system. Merck has developed **templates** that vary with the employee's level in the **organization** . Employees lower in the **organization** are less likely to be relocated globally and thus fewer **data** are required about them for the GHRIS. Approximately one hundred pieces of **data** are entered into the GHRIS for lower level employees, compared with approximately four hundred entries for higher level employees.

Storing benefit **information** continues to be a GHRIS challenge. Dow has developed regional benefit models and determined that approximately 80 percent of the **data** needed for any given employee is standard across nations. The remaining nonstandard 20 percent is **country - specific** . However, some of this nonstandard **information** can be collapsed into a smaller number of models, each with its own **data template** . One example, cited by Dow, is that while there is no world-wide set of educational certifications, most countries' educational systems can be **classified** into one of a few models. Decisions about which **information** can be standardized globally and which need to reflect local custom were made after a...

... and the reality of a GHRIS is the ability to combine universal access with standardized **information** . Amoco uses a kiosk system to allow employees to enter **information** about themselves but has found that not all employees have the ability to do this...

... faced the same challenge and has decided to sacrifice universal access for completeness of standardized **information** .

Global job posting works best for those jobs with relatively well-understood skill requirements. The...

...understanding.
Ask European, Asian, and South American regional heads to set up regular regional talent **ID** meetings to nominate potential people for both aspatial career and awareness-building assignments at their next regional conference. The **list** can be used to select people to conduct initial training sessions and handle early troubleshooting...

... up a web page for the site and E-mail technically capable people throughout the **organization** to stay tuned for brainstorming sessions during the R&D process. Good ideas will win...

... at both U.S. and Canadian locations), General Motors, IBM, Merck, and Wyeth-Ayerst. Some **information** about distance learning as an knowledge dissemination/innovation transfer tool was also collected from Ford... Resource Management," Academy of Management Review, 21(4), 959-985 for a description of the **information** flows in a globally integrated **organization** .

4 Fortune. 1995. "Retailers Go Global." February 20, 102-108. 5 Fortune. 1997. "Is Your...

... A. 1993. "Pulling Up Roots in the 1990s: Who's Willing to Relocate?" Journal of **Organizational** Behavior,14(1), p. 49-60.
7 This total workforce number excludes employees of recent...

... presented at the National Research Symposium of the Human Resource Planning Society, June. 12 Their **list** corresponds closely to that described in Tung, R. 1993. "Managing National and Intranational Diversity," Human...

...An Investigation of the Willingness of Managerial Employees to Accept an Expatriate Assignment," Journal of **Organizational** Behavior, 17(3), 267-283.

14 This strategy may not be for every **organization** , at least as it is implemented by Schlumberger. These paths require a move every three...

... alternative way of expressing this is that companies producing overseas to sell overseas need to **identify** sources of customer value. See Bartness, A. and Cerny, K. 1991. "Building Competitive Advantage through a Global **Network** of Capabil

Footnote:

ities," California Management Review, 35(2), 78-103, for a full discussion of the **identification** process.

19 Grove, C. L. and Torbiorn, I. 1985. "A New Conceptualization of Intercultural Adjustment...

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Achtung! The information **processing of foreign words in advertising.**
Domzal, Teresa J.; Hunt, James M.; Kernan, Jerome B.
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Achtung! The information **processing of foreign words in advertising.**

...ABSTRACT: foreign expressions to enhance the impact of advertising on monolingual audiences was examined using the **information** processing approach. Results revealed that foreign expressions help enhance consumers' enjoyment, perception, recognition and memory...
... use foreign words in their advertisements, since such expressions can communicate a more cosmopolitan (less **culture - specific**) impression of brands so advertised. For example, the use of American product descriptions in advertisements...

...the issue from the perspective of linguistics. We approach the phenomenon from the perspective of **information** processing theory, which focuses on people's perceptual and cognitive mechanisms as these are used ...

...mental representations of linguistic stimuli. Thus this approach emphasizes what consumer audiences do with the **information** presented in advertisements, including that contained in foreign words. We use the vast body of **information** processing research to show why and how foreign expression can make an advertisement distinctive, and...

...guarantees nothing (it can even prove dysfunctional), we also suggest how the established framework of **information** processing research can be used to pretest candidate expressions as well as to assess advertisements ...

...brand, making that impression more elaborate, favourable and memorable.
We begin with an overview of **information** processing theory and follow that discussion with an account of the foreign expression phenomenon couched...

...the conditions that make foreign words effective in a brand's advertising and suggest how **information** processing research can be used to assure that these conditions are satisfied. Using illustrative advertisements...

...foreign expressions might increase the impact of their messages on target consumers.
AN OVERVIEW OF **INFORMATION** PROCESSING THEORY
Information processing theory (Bettman, 1979) is a psychological approach to analysing choice behaviour which focuses on people's acquisition, **organization** and utilization of pertinent **information** . It is a cognitive perspective; it regards people as sentient problem solvers who choose rationally...

...which emphasizes the symbolic, hedonic and aesthetic motives that often underlie people's choices. The **information** processing approach considers

an advertisement to be 'a piece of **information** to be processed through a consumer's perceptual and cognitive systems, ultimately forming some mental representation which may then be drawn upon in retrieving the **information** later' (Harris et al., 1986). Thus it is used to assess phenomena such as what people notice in advertisements, how they **organize** or make sense of advertisement-induced **information** , and what all this has to do with memory (their ability to recognize or recall **information**). Inasmuch as this paradigm regards advertising content as a factual reality, **information** processing research does not emphasize the meanings audiences might ascribe to advertising stimuli, so it...

...in this way from the 'interpretive' approach (McCracken, 1987).

Advertising research is dominated by the **information** processing approach because of the model's strong conceptual base (it draws on years of research in cognitive psychology) and because the paradigm yields the **sort** of 'answers' advertising managers find useful. For example, **information** processing research can readily compare the drawing power of proposed headlines or copy, it can...

...understand how the paradigm operates, it is helpful to focus on its three main parts **information** acquisition, **information** **organization** and **information** utilization.

Acquisition

A fundamental tenet of **information** processing theory is that people make choices on the basis of what they know (or think they know). This knowledge stems from **information** , so the first question posed by the paradigm is how people acquire **information** . The sources of **information** are either internal (a person remembers something pertinent to a choice about to be made) or external (the **information** comes from 'outside' the person: something he or she sees, hears, smells, etc.). To acquire **information** from an external source it is necessary first that the person be exposed to that...

...must subscribe to the magazine in which the advertisement is placed, etc.). Assuming exposure, the **information** must be received by the person. That is, he or she must be sufficiently aroused...

...passive (one rarely reads a magazine just to see its advertisements), reception requires that the **information** stimulate the person's senses and focus; he or she must regard the **information** as sufficiently pertinent, important or salient to home in on it, rather than on the many other external stimuli competing for his or her limited processing capacity. Once received, the **information** must be subjected to cognitive analysis; it must be comprehended, considered and evaluated. These processes involve the working memory, where the person in effect rehearses the **information** or 'keeps it alive' to determine whether it should be committed to permanent memory. Issues such as whether and how the person understands the **information** , where it might fit in one's existing knowledge framework, and its valence (whether it is agreeable or disagreeable **information**) are resolved at this stage, even though all this occurs virtually instantaneously and without any apparent effort on the receiver's part.

Organization

For a variety of reasons, most **information** that might be acquired is not; **information** acquisition is highly selective. To overcome the limited capacity of their working memory, people often engage in **information** 'chunking': they combine two or more bits of **information** according to some relationship (Alesandrini, 1983). For example, one might chunk an advertiser's name (Jack's Bar) with its logo (the playing card), based on their complementarity. The **information** a person does acquire must be **organized** in **order** for it to be placed in one's permanent memory.

Because the human memory is believed to be **arranged** according to schemata (structures of knowledge a person possesses about objects, events, people or phenomena), to place acquired **information** in memory requires that it be 'encoded' according to these existing schemata (Alba and Hasher...

...do with the product, the consequences of using it, etc. It is possible that the **information** presented in a particular advertisement will be regarded as sufficiently different from one's existing knowledge structures so that a new schema is established for it, but most acquired **information** is **organized** into one of the schemata already present in the memory's architecture. Thus, to **organize** acquired **information** commonly means that the person activates the schema into which it will be placed; the **information** is encoded relative to that schema. Four things happen here. First, only the **information** relevant and important to the activated schema is selected; the rest is lost. Second, the semantic content of the **information** (not its surface form) is abstracted. (One encodes the essence or gist of the **information** , not its literal content.) Third, this semantic content is interpreted so as to be consistent with the schema (to make it 'fit' there). Finally, the new **information** is integrated with the existing schema. **Information** that is incongruent with the schema is integrated by ' **tagging** ' it (holding it separate from the main nexus, but still part of the schema). For instance, one might **organize** the **information** acquired from an advertisement for Rolex watches by selecting the part emphasizing its status-marking character. Since this **information** is typical of a 'status-related watches' schema, abstractions such as prestige (not the advertisement...

...a superordinate one for physical appearance.) Finally, one might accommodate the advertisement's schema-incongruent **information** - that the brand is on sale at half-price for the next thirty days - by **tagging** it.

Because of these encoding processes, the representation of acquired **information** in permanent memory is almost never objectively 'accurate'. Rather, schemata contain personalized, 'constructed' accounts of...

...recollections of the same event, for example.) Nevertheless, these cognitive structures - hubs around which acquired **information** is **organized** and therefore represented in memory - are the economizing devices people use in **order** to cope with all the **information** available to them. Schemata direct one's attention to certain features of stimulus **information** and away from other details. They allow the person to focus on just the relevant aspects of environmental **data** , to interpret these in an **organized** (if not objectively accurate) way, and to store such **information** according to a map they can read without unreasonable difficulty. Indeed, encoding serves to **organize** one's knowledge of the world into a schematic structure that can be retrieved, either when something must be remembered (in the form of memory 'traces') or when new **information** must be accommodated.

Utilization

Schematically stored **information** can be used to make judgements, evaluations and choices. The extent to which it is...

...vested interest in choices which involve one's own sense of being.) Thus the more **information** a schema includes, the more likely it will figure prominently in the choice under consideration. But the **information** must be retrievable before it can be used; it must be remembered. This requires that...

...but simply cannot remember a word, a telephone number or someone's name). Whether schematic **information** is remembered or blocked depends on

many things, but two properties - its distinctiveness and salience - are paramount among them. Distinctive (unusual) **information** is easier to remember than ordinary **information** . Salient (highly important) **information** is easier to remember than unimportant **information** .

For advertising, the implications of **information** utilization are straightforward. To begin with, the target audience must be exposed to the message...cognitive rehearsal or scrutiny of its message. Given this, consumers must encode the advertisement's **information** using the appropriate schema and with sufficient elaboration that it can be retrieved when judgements about the advertised brand are to be made. Finally, target consumers must regard this schematic **information** as distinctive and important, since these characteristics make it accessible from their memory. Thus making advertisements 'unusual' can serve several **information** processing purposes.

Information that is incongruent with the activated schema rivets a person's attention, thus producing a...

...of the advertisement. In addition, the trace is more elaborate because it contains the unusual **information** in a **tagged** , 'highlighted' format. Obviously, the advertiser must still ensure that the correct audience is exposed to...

...why, using foreign expressions as a case for making advertisements unusual.

FOREIGN EXPRESSIONS AS UNUSUAL **INFORMATION**

Using foreign words in advertisements (e.g. Fahrvergnugen to describe the VW driving experience to...

...more cognitive effort to process. Assuming one attempts to understand the foreign expression, the deeper **information** processing results in its more elaborate representation in memory and this, in turn, makes the...

...this deciphering ceiling may require that foreign expressions be used in grammatically incorrect ways, in **order** to facilitate a preferred translation. The initial beneficial effect of foreign expressions, then, is the...

...words are too challenging or insufficiently relevant to the brand), more elaborate processing of this **information** is likely to occur than would be the case if no foreign words were used...

...ILLUSTRATION FOR FIGURE 3 OMITTED|. The Spanish headline 'Hasta la vista, Baby!' (goodbye) is the **signature** line from a popular Schwarzenegger film and it resonates the brand's principal feature - exchangeable...

...utilized when making brand judgements.

First, the unexpected nature of foreign expressions induces more elaborate **information** processing because of something called the Zeigarnik effect (Heimbach and Jacoby, 1972). Based on the...

...it operates to stimulate the completion of the interrupted task. Thus, as an audience processes **information** in a known language, encountering a foreign expression acts to interrupt that processing. The Zeigarnik...

...language) linguistic message. The Zeigarnik effect is not limited to stimulating the comprehension of such **information** , however. Interrupted processing also produces more memorable **information** .

The second reason foreign words are likely to induce more elaborate **information** processing is because of the way they are represented in the human memory structure. As 'unusual' **information** , foreign expressions

represent schema-incongruent stimuli and this has a profound effect on how they are located in a person's cognitive architecture. As noted above, the processing of **information** in an advertisement will be **guided** by a relevant schema. (This ...and the particular brand being promoted; otherwise there is no assurance that the advertisement's **information** will be represented uniquely in memory.) This schema consists of a person's abstracted knowledge of the product **category** , e.g. that the advertised brand is useful for this or that purpose, that it...

...the brand's stay-youthful identity. Ordinarily, schematic processing requires only that an advertisement's **information** be compared with the general content of a schema to verify those contents or modify them slightly. This is so because most brand advertisements contain schema-congruent **information** . When an advertisement contains **information** that is incongruent (yet still relevant) to a schema, however, more elaborate processing is necessary, since the **information** cannot simply verify the schema's general content; either those contents must be modified substantially or the incongruent information must be isolated or compartmentalized by **tagging** it. The Argentinian campaign for US 41 jeans exemplifies an attempt to induce such **tagging** ILLUSTRATION FOR FIGURE 5 OMITTED|. Using a combination of English and Russian, a unique (yet...

...of the brand - that it is peaceful - is created, which must be processed as a **tag** to consumers' jeans schema. The arresting combination of two traditional enemies appeals to the brand...

...of the schematic representation) or as 'I'm not sure what these foreign words mean' (**tagging** them). Either alternative induces more cognitive effort and elaborate processing than would be required for...

...are likely to produce a more memorable and lasting trace of the brand and the **information** contained in the advertisement (Hunt et al., 1992). To benefit from foreign expressions, then, advertisements...

...about the brand. Curiosity may attract an audience's attention to foreign words, but their **information** processing should result in something more than curiosity. Consumers remember only the **information** they have processed schematically; that is all they can use when making brand judgements. So...

...Otherwise, foreign expressions cannot serve a useful purpose at the only stage that matters, namely, **information** utilization.

Foreign expressions and memorability

The whole idea behind processing **information** is to represent it in a form that can be remembered. With foreign expressions, the...

...promote the memorability of the advertisements in which such expressions are used.) The corpus of **information** processing research strongly suggests that both the foreign words and the advertisements which contain them will be remembered so long as these expressions are perceived as unusual, unexpected yet relevant **information** . An advertisement for Campbell's minestrone soup ILLUSTRATION FOR FIGURE 6 OMITTED| exemplifies such memorability...

...the (bastardized) copy with the leaning tower, a famous Italian icon.

There is a widely **documented** phenomenon in psychology - the von Restorff effect - which holds that **information** that is novel or unexpected captures one's attention, is processed more extensively, and subsequently is much more likely to be remembered than **information** which is redundant or expected to appear in a given context (Lynch and Srull,

1982...

...of recognition and recall. The only arguable issue is whether that accessibility also applies to **information** encoded concomitantly with the distinctive foreign expressions during their schematic processing. The available evidence would...

...which this can occur, but either of these - more elaborate processing within the main (product **category**) schema or **tagging** the foreign expression - produces a memory trace that is stronger than that associated with redundant, usually expected, schema-congruent **information** (Hunt et al., 1992). This holds for both common ways of measuring memory, recognition and...saw (if such advertisements are similar to ones they have seen) and they might 'recall' **information** from advertisements that did not actually contain it (if such **information** is similar to that actually contained in the advertisements). Such instances merely reflect the common phenomenon of people reporting **information** that is consistent with their schematic representation of the brand, and they do the advertiser...

...as reflecting a this-is-a-car-you-want-to-drive experience and that they **identify** it with Volkswagen. If that occurs, the foreign expression serves its purpose of making the...

...advertising can do more harm than good to an audience's impression of a brand.

Information processing research suggests that foreign expressions 'work' because audiences think they make advertisements more distinctive...

...that competitive advertising should not be riddled with such expressions. (If all brands in a **category** use this device, it ceases to be unique.) Moreover, it is important that the foreign...

...easier to recognize and recall when choosing a wine.

TESTING THE EFFECTIVENESS OF FOREIGN EXPRESSIONS

Information processing theory affords an understanding of why and how foreign expressions enhance the impact of...

...not sufficient; foreign expressions - like all advertising components - should be tested for effectiveness. Fortunately, the **information** processing paradigm also includes a highly developed set of procedures suited to this very purpose...

...meanings are applied to the foreign expression and any difficulties encountered in translating it. This **information** can be used to assess whether the expression is too daunting for its intended audience...better way to convey appropriate distinctiveness to the brand. The common procedure for eliciting this **information** makes use of 'thought protocols', which are verbalizations of respondents' thinking; that is, of their...

...mind ...') and restricted form ('did the advertisement claim this? that? something else?'). Thought protocols are **categorized** according to well-established procedures (see Hunt et al., 1992 for an illustration); these indicate...

...if any) that foreign expressions make to the brand's equity.

DISCUSSION

We have suggested **information** processing theory as a helpful way to consider the use of foreign expressions in advertising...

...analysis that focuses on language per se fails to reveal what people do with the **information** contained in language. The **information** processing approach addresses this very problem in its emphasis on people's perceptual and cognitive...

...these (rather than the linguistic stimuli which may give rise to them) are the raw **data** of the **information** processing paradigm, it is a very practical approach to human behaviour. In the context of...

...to results, to the consequences of using foreign expressions.
Based on the considerable corpus of **information** processing research, we argued that foreign expressions are likely to be most efficacious when target...

...more instances of the misuse of foreign expressions than of their proper use. Fortunately, the **information** processing paradigm includes a robust set of procedures for testing foreign expressions in advertisements.
Using...to fit the advertisement and not the other way round.
Finally, we should note that **information** processing will yield even greater understanding if it is used in conjunction with other perspectives ...

...that non-English-speaking audiences read a great deal into it. Indeed, to explore this **sort** of phenomenon, Mick (1988) has suggested that the **information** processing and interpretive paradigms might be combined into an amalgam, 'schema semiotics'. Such a combination...

...substantially richer qualitative representations of an audience's memory structure than those currently used in **information** processing research. For instance, instead of one-line statements summarizing what foreign words add to...
...Bulletin, 93 (2), 203-231.
Alden, D.L., Hoyer, W.D. and Lee, C. (1993) **Identifying** global and **culture - specific** dimensions of humor in advertising: a multinational analysis. Journal of Marketing, 57 (2), 64-75...

...K.L. (1983) Strategies that influence memory for advertising communications. In R.J. Harris (ed.), **Information** Processing Research in Advertising. Hillsdale, NJ: Erlbaum.
Bettman, J.R. (1979) An **Information** Processing Theory of Consumer Choice. Reading, MA: Addison-Wesley.
Corbett, E.P.J. (1990) Classical...

...Bonfield, E.H. (1992) Memory structure in the processing of advertising messages: how is unusual **information** represented? Journal of Psychology, 126 (4), 343-356.
Lynch, J.G. and Srull, T.K...

...methods. Journal of Consumer Research, 9 (1), 18-37.
McCracken, G. (1987) Advertising: meaning or **information** ? In M. Wallendorf and P.F. Anderson (eds), Advances in Consumer Research, 14. Provo, UT...served as a consultant to consumer products manufacturers, marketing research suppliers, advertising agencies and television **networks** and is a former president of the Association for Consumer Research. His publications include six...

...DESCRIPTORS: Human **information** processing...
19950300

```
Set     Items   Description
S1     901851   CULTURE? OR CULTURAL? OR LOCALE? OR LOCALIT?
S2    1696882   SOCIAL OR SOCIETY
S3     270776   ETHNO? OR ETHNI? OR GEOGRAPH?()LOCATION?
S4    4063492   COUNTRY? OR COUNTRIE? OR DIALECT? OR NATIVE? OR INDIGEN? OR
              LINGUAL? OR LINGUIST?
S5    3403694   CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENT-
              RIC?
S6    2001372   CONVENTION? ? OR RULE? ? OR PREFERENC? OR PREFERENT? OR ID-
              IOSYNCRA?
S7     823628   DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO?
              OR ODDIT? OR PECULIARIT?
S8    2350341   COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICI-
              T? OR VARIATION? OR CHARACTERISTIC?
S9    2672492   TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
S10   1161794   GUIDE? OR TEMPLAT? OR STENCIL?
S11    946502   TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICAT-
              OR? OR ID OR SIGNATUR?
S12    508371   SORT OR SORTS OR SORTED OR SORTING
S13   1382051   CATALOG? OR CATEGORI? OR CATEGORY? OR ALPHABETIZ? OR ALPHA-
              BETIS? OR ALPHANUMERIC?
S14   5318950   ORGANIZ? OR ORGANIS? OR IDENTIFY? OR IDENTIFI? OR CODING OR
              REARRANG? OR ORIENT? OR REORIENT?
S15   4941045   CODE?? OR ARRANG? OR ORDER??? OR CLASSIFY? OR CLASSIFI? OR
              CHRONOLOGIC?
S16    498928   COLLAT? OR PRIORITI? OR HIERARCH? OR CROSSREFEREN? OR CROS-
              S()REFEREN?
S17   7956973   RECORD? ? OR DATA? OR DATAFIELD? OR DATABASE? OR DOCUMENT?
              OR INVENTORY? OR INVENTORIE?
S18  10786820   INFO OR INFORMATION? OR LIST???? OR REGISTR? OR FILE?? OR -
              CHRONICL? OR ARCHIV?
S19   7903447   COMPUTER? OR SOFTWARE? OR SOFT()WARE? OR NETWORK?
S20     31996   S1:S4(5N)S5:S8 AND S9:S11 AND S12:S16 AND S17:S18 AND S19
S21      8096   S20 AND S1(3N)S5:S8
S22      1669   S21 AND S9:S11(5N)S12:S16
S23      1117   S21 AND S9:S11(5N)S17:S18
S24      2973   S21 AND S12:S16(5N)S17:S18
S25       323   S22 AND S23 AND S24
S26       250   S25 AND PY<2002
S27       236   RD (unique items)
? show files
File 275:Gale Group Computer DB(TM) 1983-2005/Jan 10
         (c) 2005 The Gale Group
File 476:Financial Times Fulltext 1982-2005/Jan 10
         (c) 2005 Financial Times Ltd
File 484:Periodical Abs Plustext 1986-2005/Jan W1
         (c) 2005 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2004/Sep
         (c) 2004 The HW Wilson Co
File 610:Business Wire 1999-2005/Jan 10
         (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Jan 07
         (c) 2005 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jan 10
         (c) 2005 The Gale Group
File 624:McGraw-Hill Publications 1985-2005/Jan 10
         (c) 2005 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2004/Dec 31
         (c) 2005 San Jose Mercury News
File 635:Business Dateline(R) 1985-2005/Jan 08
         (c) 2005 ProQuest Info&Learning
```

File 636:Gale Group Newsletter DB(TM) 1987-2005/Jan 10
(c) 2005 The Gale Group
File 647:CMP Computer Fulltext 1988-2005/Dec W3
(c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Dec W2
(c) 2004 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2005/Jan 05
(c) 2005 The Dialog Corp.
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
?

27/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02337519 SUPPLIER NUMBER: 55981645 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Global E-Commerce -- How Products And Services Help Sites Expand Worldwide.(Industry Trend or Event)
Engler, Natalie
InformationWeek, 88
Oct 4, 1999
ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2713 LINE COUNT: 00228

...ABSTRACT: vendors to reach global markets via the Web. For example, General Electric's General Electric **Information** Services division uses Global Sight's Global Sight Ambassador foreign languagé translation **software** to translate its GE TradeWeb into German and Italian. Chipshot.com uses Idiom Technologies' WorldServer Internet/Web server **software** to translate the company's Web site into Japanese. Eastman Kodak uses WorldPoint's PassPort **software** to produce region-specific versions of its Kodak.com Web site in 16 countries.

TEXT:

...Doug Irwin looked for tools to translate GE TradeWeb-a forms-based, entry-level electronic **data** interchange service that lets small businesses electronically exchange business **documents** with larger trading partners-into multiple languages, he had little success. "Nobody knew what globalization meant," says the lead engineer at General Electric Co.'s General Electric **Information** Services division in Gaithersburg, Md. "There are a lot more vendors in the market now."

... analysts. "Global E-commerce doesn't exist," says Martha Bennett, VP of research for Giga **Information** Group. "The moment you have to deliver physical goods, you're up against every piece...

...other markets via the Web run into a host of issues. Chief among them are **organizational** problems, according to a survey by Forrester Research of 50 companies creating a global Web...

...and telecommunications companies, including Frontier GlobalCenter and Qwest Communications, have introduced services for surmounting global **network** performance problems. "The demand is so great," says Joseph Baylock, VP and director of research at **Dataquest** , that "most of the big ISPs are heading to this market as fast as they can."

Human Touch

Translation is a **key** part of tailoring an E-business site for a particular market. A number of **software** translation products are available, but they're limited because they don't handle idioms or technical material well. So General Electric **Information** Services and others are turning to tools that simplify the workflow involved in using human...

...a tool or service, implement it, and move forward."

These localized versions of General Electric **Information** Services' site also handle local currencies, contracts, and customer support. The goal of the $1...

...Europe and elsewhere.

Time Saver

Ambassador saves time and cuts production costs by providing one **template** of **code** that can be used for multiple languages. By running an

Extraction Utility on the source-language Web site, the **software** separates HTML **code** from the content, creating a multilingual **database** and a single repository of **code** . Content developers and translators don't need HTML expertise. Once they complete the translation-approval cycle, the **software** automatically generates multilingual Web pages, eliminating the need to cut and paste content onto HTML pages. It also provides a workflow system so that General Electric **Information** Services can define stages for routing multilingual content throughout its global **organization** . This has proven critical for TradeWeb, which has an engineering team in Brentwood, Tenn., a...

...in each country.

Ambassador is a Unix application that runs on Sun Solaris servers, using **databases** from either Oracle or Sybase. It takes five to seven weeks to translate and deploy...

...May to create a Japanese version of the company's Web site. Idiom's WorldServer **tags** all the **information** on the Web site that needs to be translated with Extensible Markup Language, which is...

...of marketing. Then it delivers that material to an Idiom translation partner, receives the translated **information** , delivers it to the approval person, and automatically updates the Web site. The total startup...

...Asian languages, work with the foreign-language text, or create multiple versions of scripts or **files** . And because **software** automates the process of transferring content to and from translators, errors are reduced. Developers don't have to incorporate materials back into the Web site, nor do translators touch the **code** . In addition, the **software** handles currency conversion dynamically on a daily basis, converting U.S. dollars to yen, and...
...helped achieve this goal for Japan and other markets, because Chipshot.com could outsource the **tagging** and translation to Idiom.

Chipshot.com is deploying BroadVision E-commerce **software** , so that it can create profiles for customers and perform more-personalized marketing activities. Like other E-commerce **software** from companies such as Connect, iCat, Intershop, Microsoft, Netscape, and Open Market, BroadVision's **software** includes localization services and content-management tools. Because it provides the infrastructure for **tagging** content for translation, the product could potentially replace WorldServer. If it did, however, Chipshot.com...

...decision will come down to cost and ease of management."

WorldPoint is another vendor using **database** -driven **software** to solve the translation problem. Eastman Kodak Co., which has region-specific versions of its Kodak.com Web site in 16 countries, uses WorldPoint's PassPort **software** to translate the 30,000 to 40,000 pages of content on the site. "There...

...no way you could effectively manage that content in other languages without some kind of **database** capability," says Terry Lund, Kodak's director of Internet initiatives. And the WorldPoint tool makes...
...in Paris with operations in 130 countries. Schneider Automation needed to improve the flow of **information** to marketing, sales, distributors, manufacturers, channel partners, and customers in more than 100 countries.

So...

...more than translating existing materials. It demanded that the company unify its channel and customer **databases** and create a window into a number of back-end systems, says John McElfresh, director of electronic

business.

The company enlisted Transaction **Information** Systems, an E-commerce systems integration and consulting company in New York, to help build...

...Lotus Notes Global Designer, Domino, and Domino Workbench and Domino Translation Object for translation. The **database** of product **information** is keyword-driven, and can be updated dynamically by maintaining tables of synonyms in multiple languages. Schneider and Transaction **Information** Systems plan to resell the application for $500,000, including **software** and services.

The company is also prototyping a process that relies on Lotus Notes 4...

...Schneider and the translation services it has enlisted to translate its content, which includes technical **documentation** , marketing materials, competitive **information** , market research, sales presentations, product literature, and price **lists** .

The process is launched when a visitor to the Web site requests a **document** in a certain language. A placeholder is automatically created for those **documents** , which are then transferred via Notes to the translation service. Once translated, the **document** and abstracts are fed back into the system via Notes. When approved, the **documents** are automatically updated on the Web site, and a person who requested a specific **document** receives it via E-mail in the requested language.

"Most people have a separate workflow for their translation," says McElfresh. " **Documents** are created, translated, and uploaded as available. That can work, but what you find is the vast majority of the **information** online isn't translated into all the languages necessary. We're making it part of the process."

Cultural Preferences

Some companies can get away with an English-only Web site because customers are "captive" and will not defect, says Giga's Bennett. Others, such as Dell **Computer** , have a "semi-captive" audience born of high brand-awareness. These companies can translate content, but maintain a consistent look and feel and

organizational structure across sites. Indeed, Dell's Web site is localized for 50 countries and can...

...have many choices. These companies have to go a step further and take into account **cultural preferences** , not just in text but in interface design and even navigation. Chipshot.com, for example...

...U.S. site. In addition, the Japanese site emphasizes that customized clubs are made to **order** , whereas on the U.S. site the emphasis is on the 50% discount, because Americans...

...cost in the United States, Bennett says. To preserve customers' patience, Bennett recommends that companies **code** tightly in HTML and create text-only versions of their Web sites early on, giving...Island, Frontier GlobalCenter, Exodus, and Qwest provide hosted servers, mirror sites, or optimized global distribution **networks** . They may do everything from server installation to maintenance to tape-backup rotation. Chipshot.com...

...HighWire Press to put their scientific and technical journals online. Digital Island, which has a **network** of **data** centers in New York, Santa Clara, Honolulu, and London, connects directly to 19 countries with...
...markets worldwide. "I'd been looking for a way to solve the delay in international **network** transmission over the Internet, says John Sack, associate publisher and director for HighWire. The alternative for HighWire

would have been buying **network** capacity and putting routers or mirror servers in 20 countries.

Sack is beta testing a Digital Island **network** service called TraceWare, which lets any IP application determine a Web-site visitor's country...

...that come through Stanford's HighWire system, Sack says.

Buyers need to be leery of **network** services they don't need. Some of Kodak's international employees have told Lund that...

...accounts

TraceWare Service

Digital Island Inc.

www.digisle.net

$25,000 per year for the **software** license, monthly subscription, and support

Uniscape.com

Uniscape Inc.

www.uniscape.com

No up-front...

...COMPANY NAMES: GE **Information** Services...

...DESCRIPTORS: Foreign language translation **software** ; ...

...Internet/Web server **software**

EVENT CODES/NAMES: 220 Strategy & planning;330 Product **information** ;640 Foreign trade

PRODUCT/INDUSTRY NAMES: 7372496 (Foreign Language Translation **Software**) ; ...

...7372682 (Internet Server **Software**)

NAICS CODES: 51121 **Software** Publishers

TRADE NAMES: Global Sight Ambassador (Foreign language translation **software**)--...

...WorldServer (Internet/Web server **software**)--...

...WorldPoint PassPort (Foreign language translation **software**)--

19991004

```
  FILE 'CONFSCI, COMPUAB, COMPUSCIENCE' ENTERED AT 11:40:59 ON 10 JAN 2005
L1         23248 S CULTURE? OR CULTURAL? OR LOCALE? OR LOCALIT?
L2         69619 S SOCIAL OR SOCIETY OR ETHNO? OR ETHNI? OR GEOGRAPH? () LOCATIO
L3        122734 S CORRECT? OR SENSITIV? OR SPECIFIC? OR CENTRIC? OR DATACENTRIC
L4         55225 S CONVENTION? OR RULE? OR PREFERENC? OR PREFERENT? OR IDIOSYNCR
L5         46803 S DESIRABL? OR DESIRED OR OPTIMUM OR PROTOCOL? OR PECCADILLO? O
L6        105607 S COLLOQUIAL? OR PROFILE? OR GRAMMAR? OR BIAS? OR ECCENTRICIT?
L7          2460 S (L1 OR L2) (5N) (L3 OR L4 OR L5 OR L6)
L8         23962 S TOKEN? OR KEY OR KEYS OR KEYED OR KEYING OR DATAKEY?
L9         12380 S TAG OR TAGS OR TAGGED OR TAGGING OR IDENTIFIER? OR INDICATOR?
L10           81 S L7 AND (L8 OR L9)
L11           68 S L10 AND PY<=2001
L12           66 DUP REM L11 (2 DUPLICATES REMOVED)
```

L12 ANSWER 9 OF 66 COMPUSCIENCE COPYRIGHT 2005 FIZ KARLSRUHE on STN
AN 1996(7):AC50494 COMPUSCIENCE
TI Internationalization: developing software for global markets.
AU Luong, Tuoc V.; Lok, James S. H.; Taylor, David J.; Driscoll, Kevin
SO New York, NY: John Wiley and Sons, Inc. 1995. 293 p.
ISBN: 0-471-07661-9
DT Book
LA English
IP ACM-CR
DN 9607-0494
ANSWER 9 OF 66 COMPUSCIENCE COPYRIGHT 2005 FIZ KARLSRUHE on STN
AB In this useful guide, the authors consider many of the issues in designing and delivering software for markets in multiple countries, including language, language structure, culture, and business practices. The authors cite a number of practices and tools developed at Borland and other firms, and obviously bring a practical and experienced point of view to this book. Here is some of the key advice provided by the authors: Plan your product for internationalization from the beginning of the design---don't retrofit. Place all the information that must change from one national version of the software to another outside the core source code. (In other words, make your internationalization process-table-driven and parameter-based---always good advice for anything that changes frequently.) A successful internationalization project must have top corporate support. It is often more difficult and sometimes more expensive to internationalize the documentation and collateral materials than the software itself. Use common sense, be cost effective, and be culturally sensitive. The book is written in a straightforward manner and is easy to follow. The authors recognize that the best solution is sometimes too costly, and they discuss reasonable alternatives to many of their recommendations. Because the topic is broad, and any specific internationalized product development project will have its own peculiar set of problems to address, this book cannot serve as a complete answer to all the questions that are likely to arise. But, as far as it goes, this book is an excellent initial reference for anyone considering the process of delivering software internationally. The book covers the subject logically and reasonably thoroughly, including discussions on what internationalization consists of; the importance of high-level corporate support for internationalization; how internationalization affects design, development, documentation, and quality assurance; defining a locale, how different locales may affect various aspects of the development processes, managing the processes of localization, and actually doing the localization; and some specific issues associated with European and Asian localization. The appendices contain some handy reference material and examples. One of the appendices covers internationalizing applications written to run with Microsoft Windows 3.x. Obviously, it would be useful if a new edition of the book were to be updated for Windows 95. My only other significant disappointment with the book was that it lacks a summary chapter that can serve as a checklist for the reader who is attempting to follow the advice given. If you are considering or are actively involved in developing software, you should acquire this book. It will give you an initial outline of issues you must address and, in many cases, will provide possible solutions.
AN 1996(7):AC50494 COMPUSCIENCE
TI Internationalization: developing software for global markets.
AU Luong, Tuoc V.; Lok, James S. H.; Taylor, David J.; Driscoll, Kevin
SO New York, NY: John Wiley and Sons, Inc. 1995. 293 p.
ISBN: 0-471-07661-9
DT Book
LA English
IP ACM-CR
DN 9607-0494

```
Set     Items   Description
S1       3495   AU=(DARAY E? OR DARAY, E? OR DARAY H? OR DARAY, H? OR NETT-
            LES W? OR NETTLES, W? OR ROSE D? OR ROSE, D? OR SOOR B? OR SO-
            OR, B?)
S2        103   (ED OR EDWARD OR EDDIE OR HENRY OR HANK)(2N)DARAY OR (WILL?
             OR BILL?)(2N)NETTLES OR (DAN OR DANIEL OR DANNY)(2N)ROSE OR -
            BALDEV(2N)SOOR
S3    1641956   LOCALE? OR LOCALIT? OR CULTUR?
S4          0   IC=G06F?
S5        155   S1:S2 AND S3:S4
S6        145   S5 AND PY<2002
S7          2   S6 AND (TOKEN? OR KEY OR KEYS OR COMPUTER? OR COLLAT? OR S-
            ORT?)
S8          2   RD (unique items)
? show files
File   2:INSPEC 1969-2004/Dec W2
         (c) 2004 Institution of Electrical Engineers
File   6:NTIS 1964-2004/Dec W4
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2005/Dec W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Jan W1
         (c) 2005 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/Dec
         (c) 2004 ProQuest Info&Learning
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